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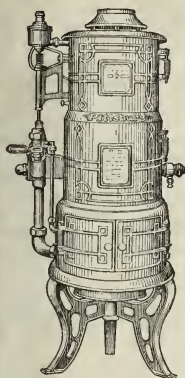
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560 Mission Street

San Francisco, Cal., July 2, 1919

Published Every Wednesday
Nineteenth Year, No. 27



A BIG THING

New Model No. 65

"Pittsburg-Bungalow"

Automatic Water Heater.

Capacity three gallons per minute.

Just the size to fit the average two-story home or nice Bungalow.

A "Pittsburg" Automatic Gas Water Heater installed in the home indicates high quality throughout.

PITTSBURG WATER HEATER CO.

402 15th Street
OAKLAND

478 Sutter Street
SAN FRANCISCO

SEND FOR CATALOGS

TROJAN EXPLOSIVES

The Most Powerful Made
Safe and Economical

Manufactured on a solid base and do not contain any liquid explosive ingredient.

Will not freeze Will not exude
Will not give off noxious gases
No thawing
No leaking
No headaches

California Trojan Powder Company

Phelan Building
San Francisco, Cal.

Railway Exchange Building
Portland, Oregon

Telephone Market 1935

Fine and Sanitary PLUMBING

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PLUMBER

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San Francisco

The Norton Liquid Door Check



2 speeds; perfect control inclosing Holder Arm feature, in place of foot bolts. No disfigurement of marble, mosaic or tessellated floors.

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Hunter, R. J., expert cabinet maker, 2156 Telegraph Ave.; dealer in mahogany, antique and all kinds of furniture; repairs and polishing: Telephone Oakland 2735.

PIERCE-BOSQUIT Abstrat & Title Co.

Capital Stock \$100,000

Sacramento, Placerville,
Nevada City, Reno

SACRAMENTO OFFICE
ROSS E. PIERCE, Manager
905 SIXTH STREET

EMERYVILLE SCHOOL BUILDING BIDS WANTED.

EMERYVILLE, Alameda Co., Cal.—Bids will be received by the Emeryville School District, R. S. Hawley, Clerk, Town Hall, Emeryville, up to 8 P. M., July 11th, for furnishing all labor and materials necessary for the

BUILDING AND ENGINEERING NEWS

work described in each of the following items, the work to be done in connection with the new school building at 47 Street and San Pablo Avenue.

First. For the completion of the auditorium of said building.

Second. For the completion of the manual training room of said building.

Third. For the completion of the north class room on the second floor.

Fourth. For the installation of the wiring and electrical work in said building.

Fifth. For the installation of an oil burner, piping, pump, motor, and all other necessary equipment, including a 160 gallon tank for fuel oil in accordance with specifications on file.

Sixth. For the installation of heating and ventilating apparatus.

Plans were prepared by Architect F. Soderberg of Oakland.

OREGON HIGHWAY COMMISSION WANTS BIDS.

PORTLAND, Ore.—Bids will be received by the Oregon State Highway Commission, Yeon Bldg., Portland, for the following work. (Bids close at 2 P. M. July 10th):

Baker County—Canyon Section of Baker-Cornucopia Highway, grading, 4.4 miles in length, 53,500 cubic yards excavation.

Clackamas County — Oregon City-Oswego Section, Pacific Highway, grading, 6.3 miles in length; 37,500 cubic yards excavation.

Clatsop County — Svensen-Rock Creek Section, Columbia River Highway, paving, 8 miles in length. Rock Creek-Westport Section, Columbia River Highway; paving, 9.5 miles in length.

Columbia County — Westport-Clatskanie Section, Columbia River Highway; paving, 10.5 miles in length.

Douglas County—Stage Road Pass Section, Pacific Highway; macadam, 2.5 miles in length; 5,250 cubic yards macadam. Yoncalla Section, Pacific Highway; grading and macadam, 7.7 miles in length; 10,000 cubic yards ex-

cavation; 16,000 cubic yards macadam. Comstock Overhead Crossing, Pacific Highway; grading and macadam, 700 feet in length; 5,750 cubic yards excavation; 300 cubic yards macadam; 173 cubic yards concrete.

Harney County—Burns-Lawson Section, Central Oregon Highway; grading and macadam, 16.7 miles in length; 94,400 cubic yards excavation; 30,700 cubic yards macadam; 13,000 pounds reinforcing steel; 480 lineal feet timber trestle.

Lane County—Unit No. 1, Eugene-Junction City Section, Pacific Highway; paving, 6.1 miles in length. Unit No. 2, Eugene-Junction City Section, Pacific Highway; paving, 6.1 miles in length.

Marion County—Salem-Brooks Section, Pacific Highway; paving, 4.2 miles.

Polk County—Salem-Dallas Section; grading and paving, 13.1 miles in length; 40,000 cubic yards excavation.

Wasco County—Seufert Section, Columbia River Highway; grading and paving, 0.5 miles in length; 6,800 cubic yards excavation.

Washington County—Canyon Road-Beaverton-County Line; grading and paving, 3.4 miles in length; 19,000 cubic yards excavation.

Wheeler County and Grant County—John Day Highway, between Fossil and Dayville, more particularly described as the Sarvice Creek-Valades Ranch Section; Unit No. 1, 13 miles, 91,000 cubic yards excavation; Unit No. 2, 12.5 miles, 74,000 cubic yards excavation; Unit No. 3, 12 miles, 91,000 cubic yards excavation; Unit No. 4, 11.5 miles, 103,000 cubic yards excavation; total, 49 miles, 359,000 cubic yards excavation.

Yamhill County — Yamhill-Gaston Section; grading and macadam, 7.9 miles in length; 29,000 cubic yards excavation.

BIDS WANTED FOR CONSTRUCTION OF \$4,000,000 DAM.

SAN FRANCISCO.—The San Francisco Board of Public Works will receive bids until July 30, 1919, for the construction of a dam for the Hetch-Hetchy Project. Contract No. 61. Estimated cost, \$4,000,000. Bond, \$400,000.

ROAD CONTRACT AWARDED.

VANCOUVER, Wash.—The Warren Construction Co. were awarded a contract for gravel bitulithic by the County Commissioners of Clark County, for the paving of 4½ miles of Hazel Dell-Delida road at \$110,283.

HARDWOOD HEADQUARTERS

ASH-BASSWOOD-BIRCH
AROMATIC RED CEDAR
CETINWOOD-ELM-ALBAY
SOUTHERN RED GUM
HICKORY-LAUREL-MAHLE
OREGON MAPLE-ROSEBUD
QUARTERED OAK
WYBROCK BENDING OAK
POPULAR-WALNUT



BOXWOOD-CHERRY-HORNBARK
JUNIPER-KAL-BARNHED
LIGNUMVITAE-MANGROVE
ROSEWOOD-TEAK-RED BEAN
SOUTHERN CEDAR-SUNBLUNT
LUMBER-ASTIMBER
HARDWOOD FLOORING
WYBRO VENEERED PANELS
DOWELS-TREENAILS-VENEERS

WHITE BROTHERS

FIFTH and BRANNAN STREETS

SAN FRANCISCO, CAL.

7-190.5
B86 1/2

Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities
150480 on the Pacific Coast.

Issued Weekly, \$4.00 per year

San Francisco, Cal., July 2, 1919

Nineteenth Year, No. 27



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SAN FRANCISCO OFFICE
660 Mission Street.
Telephone—Douglas 2372.

Notice!

Owing to the advanced cost of materials and labor the subscription price of the Building and Engineering News will be raised to \$4.00 per year, commencing July 1, 1919.

A. A. E. TALKFEST.

American Association of Engineers will hold their monthly Talkfest on Wednesday, July 2nd, at 7:30 P. M., at the Commercial Club Rooms in the Merchants' Exchange Building. If you are a live one come and prove it. There is no program arranged for the evening as several members have expressed their desire to have a chance to talk on what is nearest their heart in matters pertaining to the Association and have a free-for-all discussion.

OPENING BIDS IN PUBLIC.

The General Contractors' Association have taken a decided stand by demanding that hereafter bids must be opened in public.

The claim is made, that they have in the past, been subjected to so many abuses by unscrupulous owners, that the salvation of the contracting business demands some remedy, such as is embodied in the following rules.

These rules have been passed on by

two eminent attorneys, who give the opinion that the General Contractors are strictly within their legal rights.

BIDS OPENED FOR STATE NORMAL BUILDING.

(By Special Wire.)

SACRAMENTO, Cal.—The following bids were received June 26, 1919, by the State Engineering Department for furnishing all equipment, materials, and labor, and doing the work required for the complete construction and erection of the Assembly Hall, San Jose State Normal School, San Jose:

Howard S. Williams, Hearst Bldg., San Francisco, \$65,544.

E. T. Leiter & Son, San Francisco, \$74,887.

E. E. Etherton Co., S. F. \$76,542.

Jas. Parker Co., S. F., \$78,533.

T. Hill & Co, \$96,410.60.

The lowest bid is within the appropriation. All bids were taken under advisement.

STREET WORK CONTRACTS AWARDED.

SALINAS, Monterey Co., Cal.—The City Council has awarded contracts for street work as follows:

To the Granite Rock Co., Watsonville, Calif.:

Market street—\$15,753.52, or \$3.97 per front foot.

Soledad street—\$10,998.79, or \$2.88 per front foot.

Pajaro street—\$8077.61, or \$4.88 per front foot.

Cayuga street—\$7680.83 or \$3.30 per front foot.

To W. A. Dontanville, Arroyo Grande, San Luis Obispo Co., Calif.:

North Main street—\$20,438.74, or \$5.03 per front foot.

California street—\$14,306.18, or \$4.70 per front foot.

PAVING CONTRACT AWARDED.

LODI, San Joaquin Co., Cal.—The City Trustees have awarded a contract to the Clark & Henry Construction Company, 58 S-Sutter St., Stockton, for the paving of Lodi avenue from Hutchins street to Cherokee Lane. The bid was: Grading, 2 cents; paving, 18 cents per square foot; gutters, .224 cents per square foot and curbs 42 cents per lineal foot. The other bids

on paving ranged up to 21½ cents. They were made by Hugh Crumme, Federal Construction Co., A. Teichert & Sons, Paul & Sayles and the Municipal Improvement Company.

ROAD BONDS.

PLACERVILLE, El Dorado Co., Cal.—Bonds of \$150,000 with which to finance the construction of permanent roads have been voted in the recently organized Marshall Boulevard District.

The district was organized for building roads from Auburn, Placer county, to Placerville by way of Coloma and to improve the road from this city to Georgetown by cutting down grades, widening curves and building bridges. The district has 60 miles of roads in supervisor districts Nos. 4 and 5.

COMFORT STATION FOR OAKLAND UNDER ADVISEMENT.

OAKLAND, Cal.—J. Wolf, of Oakland, has offered the City Council to build a comfort station in the City Hall Plaza, where the Liberty Hut now stands, if the Council will allow him to maintain a merchandise counter in front of the building.

Wolf plans the erection of a \$25,000 building.

The Council referred the matter to Commissioner Fred F. Morse for consideration.

TO IMPROVE TIDE LANDS.

VALLEJO, Solano Co., Cal.—To discuss the plans for building a road paralleling the tracks of the water-front railroad to be built by the government from the causeway to South Vallejo and the beautifying the reclaimed tidelands in that section, a meeting of the chamber of commerce will be held in the near future.

Emanuel Tillman Mische, who has made a close study of the situation and taken a trip over the route of the proposed railroad with City Engineer T. D. Kilkenny, C. L. Winchell, president of the chamber of commerce and Attorney P. B. Lynch will submit a report on the cost.

It is proposed to have the work done under the supervision of a government landscape gardener who will make the unsightly tide land section a place of beauty.

ADVANCE NEWS

Official Proposals, Etc.

Preliminary Plans Being Prepared.
COLLEGE BLDGS. Cost, \$150,000
REDLANDS, San Bernardino Co., Cal.
Two two-story and basement hollow
tile buildings (science hall, 60x120
and men's dormitory, 136x40).
Owner—University of Redlands.
Architect—Norman F. Marsh, 211
Broadway Central Bldg., Los Ange-
les.

Plans Being Figured.
FLATS Cost, \$4,000
SAN FRANCISCO. No. 3909 24th St.
Two-story frame (2) flats and store.
Owner—R. E. Splain.
Architect—M. J. Welsh, 915 Treat
Ave., San Francisco.

Ready for Figures July 1st.
STORE BLDG. Cost, \$10,000
SAN FRANCISCO. N Ellis 37 E Jones
One-story brick store building (4
stores).
Owner—Withheld.
Architect—S. Helman, 57 Post St., San
Francisco.

Figures will be taken for a general
contract.

Plans Being Figured.
REPAIRS Cost, \$5,000
MARE ISLAND, Cal.
Repair to fire damaged barracks
building.
Owner—United States Government.
Architect—Engineering Dept. at Mare
Island.

Figures are now being received and
will be opened Saturday or Monday.
Plans and further information may be
obtained from the Public Works De-
partment, Mare Island.

Sketches Being Prepared.
RESIDENCE Cost, \$—
SAN FRANCISCO. N Green St., bet.
Broderick and Divisadero Sts.
Two-story and basement frame and
plaster residence and garage.
Owner—Alfred Hanify.
Architects—Ward & Blohme, Alaska
Commercial Bldg., San Francisco

Plans Being Prepared.
HOTEL Cost, \$200,000
MARYSVILLE, Yuba Co., Cal. 5th
and "E" Streets.
Four-story and basement reinforced
concrete hotel building.
Owner—Coit Investment Co., 306 14th
St., Oakland.
Architect—Clay N. Burrell, 1st Trust
Bldg., Oakland.

Plans will be completed in about 30
days, when sub-figures will be taken.
Work will be done by days labor un-
der the supervision of Roger Coit.

Plans Being Prepared.
APARTMENTS Cost, \$150,000
SAN FRANCISCO. NE Bush and
Taylor Sts. 45-10x100 on Taylor.
Six-story and basement reinforced
concrete apartment house (2 and
3 room apts).
Owner—Arthur Rousseau, 110 Sutter
St., San Francisco.
Architects—Rousseau & Rousseau, 110
Sutter St., San Francisco.
Bids will be taken immediately for
excavation and foundation work.

Plans Being Prepared.
SHED, HEATING PLANT, ETC.
Cost, \$10,000 to \$15,000.
SAN FRANCISCO. Islais Creek.
Shed, heating and pumping plant.
Owner—State of California.
Engineer—Engineering Department
Harbor Commissioners.

Plans Being Prepared.
MERCANTILE BLDG. Cost, \$100,000
SAN FRANCISCO. 50 Vara District.
Large fireproof mercantile building.
Owner—Withheld.
Architects—Rousseau & Rousseau, 110
Sutter St., San Francisco.

Plans Being Prepared.
STORE BLDG. Cost, \$—
MARYSVILLE, Yuba Co., Cal. "C" St.
Two-story brick store building.
Owner—Kim Wing, "C" St., Marys-
ville.
Architect—Not Given.

Ready for Figures About July 1st.
SCHOOL Cost, \$6,800
BAKERSFIELD, Kern Co., Cal. Fruit-
vale School District.
One-story two-room frame school.
Owner—Fruitvale School District.
Architect—J. M. Saffell, 924 19th St.,
Bakersfield.
(27502) 1st report Feb. 8; 6th June
9, 1919.

Ready for Figures About July 15th.
ADDITION Cost, \$7,000
SHAFTER, Kern Co., Cal. Richland
School District.
Addition to frame school.
Owner—Richland School District.
Architect—J. M. Saffell, 924 19th St.,
Bakersfield.

Plans Being Prepared.
WAREHOUSE Cost, \$—
CLARKDALE, Ariz.
Five-story Class "A" warehouse, 80x
120.
Owner—Withheld.
Architect—Arthur R. Kelly, 1110
Story Bldg., Los Angeles.

Plans Being Figured. Bids Close July
7, 1919, 7:30 P. M.
GYMNASIUM BLDG. Cost, \$—
EUREKA, Humboldt Co., Cal. High
School Grounds.
Gymnasium Building.
Owner—City of Eureka.
Architect—Not Given.
Geo. B. Albee, Superintendent of
Schools, Eureka.

Contract Awarded.
RESIDENCE Cost, \$33,000
PASADENA, Los Angeles Co., Cal. No.
1303 Wentworth Avenue.
Two-story hollow tile residence.
Owner—Mrs. Wm. E. Webb.
Designer & Contractor—Foss Design-
ing & Building Co., 45 North
Euclid Ave., Pasadena.

Plans Being Prepared
THEATRE Cost, \$—
WHITTIER, Los Angeles Co., Cal.
North Greenleaf Avenue.
Class "A" motion picture theatre.
Owner—Messrs H. J. Siler, Truman
Berry and Henry Gwin.
Architect—E. J. Borgmeyer, 317 Stim-
son Bldg., Los Angeles.

Plans Being Prepared.
ALTERATIONS Cost, \$30,000
SAN FRANCISCO. 26th & Folsom Sts.
Alter Cogswell Polytechnic College.
(plumbing, electric work, carpen-
ter work and heating).
Owner—Cogswell Polytechnic College
Architect—F. H. Meyer, Bankers' In-
vestment Bldg., San Francisco.

Plans Being Figured. Bids Close July
8, 1919, 8 P. M.
ADDITION Cost, \$—
SAN JOAQUIN CO., CAL. Lavella &
Brunswick School Districts.
Addition to frame school.
Owner—Lavella & Brunswick School
Districts.
Architect—Not Given.

Sub-Figures to be Taken in About
Three Weeks.
OFFICE BLDG. Cost, \$—

OAKLAND, N 16th Street 100 W
Telegraph Avenue.
Four-story Class "C" office building.
Owner—East Bay Water Co., 9th and
Broadway, Oakland.
Architect—Wm. Knowles, Hearst Bldg
San Francisco and Central Bank
Bldg., Oakland.

Sketches Being Prepared.
RESIDENCE, ETC. Cost, \$—
BERKELEY, Alameda Co., Cal. Clare-
mont Court.
Two-story brick and frame residence
and garage, 10 room (Dutch
Colonial style).
Owner—W. W. Miller.
Architect—Henry H. Gutterson, 278
Post St., San Francisco.

Plans Being Prepared.
SCHOOL Cost, \$35,000
DUNSMUIR, Siskiyou Co., Cal.
Two-story concrete and frame school.
Owner—Dunsmuir Grammar School
District.
Architects—Woollett & Lamb, Physi-
cians Bldg., Sacramento.

Plans Complete.
BANK, ETC. Cost, \$—
SACRAMENTO, Cal. SE Seventh and
"K" Streets.
Eighteen-story Class "A" bank, office
and club building.
Owner—J. M. Henderson Jr., Presi-
dent of Port Sutter and Sacra-
mento Banks, et als.
Architects—Weeks & Day, Phelan
Bldg., San Francisco.

It has not been decided whether
figures will be taken for a general
contract or segregated.

Plans Being Figured.
SCHOOL Cost, \$35,000
DURHAM, Butte Co., Cal. Durham
School District.
Two-story brick veneer or hollow tile
school.
Owner—Durham School District.
Architect—W. H. Weeks, 75 Post St.,
San Francisco.
Plans may be obtained from Mr.
Week's office.

Segregated Figures Being Taken.
APARTMENTS Cost, \$35,000
SAN FRANCISCO. SW Laguna and
Clay Streets.
Three-story and basement frame
apartments (3 apts. of 8 rooms and
4 baths each).
Owner—Miss E. J. Booth.
Architect—Henry C. Smith, Humboldt
Bank Bldg., San Francisco.

To be Done by Day's Work.
BUNGALOWS Cost, \$3,000 each
MODESTO, Stanislaus Co., Cal. 2nd

and "I" Streets.
Twelve frame bungalows.
Owner—W. F. Ramont, Modesto.
Architect—Not Given.

Plans Being Revised.
RESIDENCE Cost, \$8,500
BERKELEY, Alameda Co., Cal. Rick-
ridge.
One and one-half-story and basement
frame residence and garage (8
rooms).
Owner—Blinn Bryant.
Architect—Henry H. Gutterson, 278
Post St., San Francisco.

Plans Being Prepared.
RESIDENCE Cost, \$10,000
OAKLAND, Alameda Co., Cal. Clare-
mont District.
Two-story frame residence.
Owner—Mr. Shuman.
Architect—Ed. T. Foulkes, Crocker
Bldg., San Francisco.

Plans Being Prepared.
GARAGE Cost, \$4,000
SAN FRANCISCO. Valencia near 25th
One-story Class "C" private garage.
Owner—Christens Ranch Dairy.
Architect—Martin A. Sheldon, 110
Sutter St., San Francisco.

Plans Being Prepared. Ready for
Figures in About a Week.
THEATRE Cost, \$75,000
EUREKA, Humboldt Co., Cal. 4th and
"G" Streets.
Reinforced concrete theatre building,
70x120 (seating capacity 1200).
Owner—Richard Sweasey, 402 "G" St.,
Eureka.
Architect—Reid Bros., 105 Montgom-
ery St., San Francisco.
Lessee—Ackerman & Harris (Hippo-
drome Circuit).

Plans Being Prepared.
APARTMENTS, ETC. Cost, \$25,000
MARYSVILLE, Yolo Co., Cal.
Two-story brick store and apartment
house (5 apts and 1 store.)
Owners—Sullivan & Gomez.
Architect—Chester Cole, Chico.

Plans Being Prepared.
ADDITIONS Cost, \$15,000
SACRAMENTO, Cal. North Sacra-
mento School District.
Two one-story additions to frame
schools.
Owner—North Sacramento School
District.
Architect—A. Willoner, 403 21st St.,
Sacramento.

To be Done by Day's Work.
ALTERATIONS Cost, \$5,000
OAKLAND, Alameda Co., Cal. NE

14th and Webster Streets.
Remodeling Maple Hall (two-story
frame building).
Owner—Mrs. Oliver.
Architect—Ed. T. Foulkes, Crocker
Bldg., San Francisco.

Plans Being Figured. Bids Close July
12, 1919.
SCHOOL Cost, \$12,000
GRAFTON, Yolo Co., Cal. Knights
School District.
One-story hollow tile school (2 rooms)
Owner—Knights School District.
Architect—Chester Cole, Chico.

Segregated Figures Being Taken.
SCHOOL Cost, \$60,000
SAN FRANCISCO. Fourteenth Ave.
and Irving Street.
Two-story reinforced concrete school
(13 class rooms).
Owner—Roman Catholic Archbishop
of San Francisco. St. Ann's Parish
Architects—W. D. Shea and H. A.
Minton, 244 Kearny St., San Fran-
cisco.

Every modern equipment will be in-
stalled.

Plans Being Figured.
HOTEL Cost, \$80,000
COLUSA, Colusa Co., Cal. Mark and
Seventh Streets.
Three and four-story reinforced con-
crete hotel (80 rooms).
Owner—J. Swank, Colusa.
Architect—J. S. Gould, Colusa.

Contract Awarded.
RESIDENCE, ETC. Cost, \$20,000
HILLSBOROUGH, San Mateo Co., Cal.
Two-story frame residence, garage,
etc.
Owner—Withheld.
Architect—Chas. Skidmore, 616 New
Call Bldg., San Francisco.
Contractor—S. A. Born Bldg., Co., 615
Highland Ave., Burlingame.

Plans Being Figured.
RESIDENCE Cost, \$12,000
SAN FRANCISCO. Merritt Tract.
Two-story frame residence.
Owner—Mrs. Smith.
Architect—W. C. Falch, Hearst Bldg.,
San Francisco.

Plans Prepared.
WAREHOUSE Cost, \$—
LONG BEACH, Los Angeles Co., Cal.
15th Street and California Ave.
Four-story reinforced concrete and
steel warehouse, 60x118 and a
one-story brick garage.
Owner—Long Beach Transfer &
Warehouse Co.
Architect—W. Horace Austin, 222 1st
National Bank Bldg., Long Beach

BUILDING AND ENGINEERING NEWS

Will Call for Steel Thursday.

ADDITION

Total Cost of extension, \$600,000
SAN FRANCISCO. Stockton and California Streets.

Steel Work for additions to Class "A" office building.

Owner—Metropolitan Life Insurance Company.

Architect—J. R. Miller, Lick Bldg., San Francisco.

Working details for foundations are being finished, and bids will be called for in a couple of weeks.

Plans Being Prepared. Ready for Figures in One Week.

RESIDENCE Cost, \$4,000
SAN FRANCISCO. Mission Terrace Tract.

Five two-story frame residences.

Owner—Mission Terrace Co.

Architect—H. C. Bauman, 251 Kearny St., San Francisco.

Preliminary Plans Being Prepared.

APARTMENTS Cost, \$48,000
OAKLAND, Alameda Co., Cal. Grand Avenue near Perkins Street.

Three-story frame apartment house (12 3-room apts.)

Owner—Withheld.
Architect—Chester H. Miller, Call Bldg., San Francisco.

Contract Awarded on a Percentage Basis.

PACKING PLANT, ETC. Cost, \$75,000
LEMON, Ventura Co., Cal.
Concrete and frame packing plant and ranch buildings.

Owner—Geo. C. Power.

Architect—Not Given.

Contractor—Walter Slater Co., 2314 Santa Fe Ave., Los Angeles.

Plans Being Figured. Bids Close June 30, 1919.

RESIDENCE Cost, \$—
SHAFTER, Kern Co., Cal.
Seven-room frame or hollow tile residence.

Owner—H. S. Hampton.

Architect—J. M. Saffell, 924 19th St., Bakersfield.

Plans Being Prepared. Ready For Figures Next Week.

ALTERATIONS Cost, \$20,000
SAN MATEO. No. 277 "B" St. (John Coleman Bldg.)

Alterations and extension of banking rooms in two-story brick building (marble front, fixtures, etc.)

Owner—Bank of Italy (San Mateo Branch).

Architect—W. H. Toepke, 942 Market St., San Francisco.

STORES, ETC.

Cost, \$50,000
SEATTLE, Wash. NW Third Avenue and Pine Street.

Two-story brick stores and salesroom 60x108.

Owner—Mrs. C. O. Childs.

Architect—A. H. Albertson, Henry Bldg., Seattle, Wash.

Plans Being Prepared.

PAINTING, ETC COURTHOUSE

Cost, \$—.

SANTA ROSA, Sonoma Co., Cal.

Cleaning and painting County Courthouse and minor alterations]

Owner—County of Sonoma.

Architect—W. H. Weeks, 75 Post St.,

Plans Being Figured by Selected List of Bidders.

SCHOOL Cost, \$40,000
VALLEJO, Cal.

One-story 6-room frame school.

Owner—U. S. Housing Corp.

Architect—Geo. W. Kelham, Sharon Bldg., San Francisco.

Sketches Being Prepared.

APARTMENTS Cost, \$300,000
SAN FRANCISCO. Washington and Gough Streets.

Eight-story reinforced concrete apartment building.

Owner—Metropolitan Apartments. M. Selig, Pres., 32 Montgomery St., San Francisco.

Architects—Willis Polk & Co., Hobart Bldg., San Francisco.

The company is now being financed.

Plans Being Figured.

THEATRE Cost, \$35,000
MERCED, Merced Co., Cal. 17th and "M" Streets.

Brick and frame theatre.

Owner—C. H. Douglas.

Architect—A. W. Cornelius, Merchants National Bank Bldg., San Francisco.

Plans Being Prepared.

CHURCH Cost, \$20,000
BERKELEY, Alameda Co., Cal.
Frame church.

Owner—Third Church of Christ Scientist.

Architect—Ed. T. Foulkes, Crocker Bldg., San Francisco.

Ready for Figures This Week.

RESIDENCE Cost, \$10,000
BERKELEY, Alameda Co., Cal. Claremont District.

Two-story and basement frame and plaster residence (8 rooms and 2 bathrooms).

Owner—Arthur Webb.

Architect—W. H. Ratcliff, 1st National Bank Bldg., Berkeley.

Plans Being Figured.

OFFICE BLDG. Cost, \$—
SAN FRANCISCO. Seventh and Daggett Streets.

Two-story brick office building.

Owner—Main Street Iron Works.

Architects—Weeks & Day, Phelan Bldg., San Francisco.

Plans Being Prepared.

SCHOOL Cost, \$40,000
SAN FRANCISCO. SW Sanchez and Valley Streets.

Three-story reinforced concrete parochial school building (8 classrooms, auditorium & gymnasium)

Owner—St. Paul's Parish.

Architects—Shea & Lofquist, Chronicle Bldg., San Francisco.

Work will be done by days labor.

Plans to be Prepared.

ADDITIONS Cost, \$—
OAKLAND. 16th and Broadway.
Four-story, 100x100, addition to Class "A" department store.

Owner—Kahn Bros., Premises.

Architect—Not Selected.

Plans for the present building were prepared by C. W. Dickey, Oakland Bank of Savings Bldg., Oakland.

Plans Being Prepared.

ALTERATIONS Cost, \$15,000
SAN FRANCISCO. SW First Avenue and California Street.

Alter and add to apartment house.

Owner—Withheld.

Architects—Rousseau & Rousseau, 110 Sutter St., San Francisco.

APARTMENTS

Cost, 14,000
OAKLAND, Alameda Co., Cal.
Two-story frame apartment house (4 4-room apts.)

Owner—Mr. Burket.

Architect—Jas. W. Plachek, 2014 Shattuck Ave., Berkeley.

Plans Being Prepared.

RESIDENCE Cost, \$6,000
FRESNO, Fresno Co., Cal. Alta Vista Tract.

One-story hollow tile residence.

Owner—Mr. Goldman, Manager Fisk Tire Co., Fresno.

Architects—Swartz & Swartz, Rowell Bldg., Fresno.

Plans Being Prepared.

TRAINING BLDGS. Cost, \$100,000
FLAGSTAFF, Ariz. State Normal School.

Two two-story reinforced concrete training buildings, 60x120.

Owner—State of Arizona.

Architects—Lescher & Kibbey, Phoenix, Arizona.

Contract Awarded.

RESIDENCE Cost, \$44,473
PASADENA, Los Angeles Co., Cal.
No. 450 San Rafael Avenue.
Two-story frame and plaster residence.

Owner—W. S. Morse, 2071 So. Hobart Blvd., Los Angeles.

Architect—Reginald Johnson, Staats Co., Bldg., Pasadena.

Contractor—Whetstone & Mayer, 1076 Stevenson St., Pasadena.

Specifications Being Prepared.

ALTERATIONS Cost, \$8,000
SAN FRANCISCO.

Alterations to office building (change partitions, tear out Oregon pine trim and replace with oak).

Owner—Withheld.

Architect—C. W. McCall, Central Bk. Bldg., Oakland.

Plans Being Prepared.

APARTMENTS Cost, \$300,000
SAN FRANCISCO. Bush Street.
Ten-story Class "A" apartments.

Owner—Withheld.

Architect—J. Martin Haenke, Humboldt Savings Bank Bldg., San Francisco.

Plans Being Prepared.

THEATRES Cost, \$125,000 each
BERKELEY AND SAN FRANCISCO.
Berkeley also North Beach District in San Francisco.

Two reinforced concrete theatres 1500 seating capacity.

Owner—Withheld.

Architect—J. Martin Haenke, Humboldt Savings Bank Bldg., San Francisco.

(28371) A to U Z 198-200-1-5

Plans Prepared.

RESIDENCE Cost, \$25,000
PIEDMONT. Glen Alpine Road.
Two-story frame residence.

Owner—J. H. Atkins, 550 Sutter St., San Francisco, and 776 Kingston St., Oakland.

Architect—Not Given.

Plans Being Prepared.

RESIDENCE Cost, \$12,000
SAN FRANCISCO. Merritt Terrace.
Two-story frame residence (10 rooms, plaster exterior).

Owner—G. M. Merritt.

Architect—Lewis P. Hobart, Crocker Bldg., San Francisco.

Plans Being Figured.

APARTMENTS Cost, \$18,000
SAN FRANCISCO. Twelfth Avenue near Clement.

Three-story frame apartments (6 4-room apartments).

Owner—Mr. McCaw.

Architect—D. J. Patterson, 46 Kearny St., San Francisco.

Plans Being Figured.

AUTO SALES ROOM Cost, \$——
SAN FRANCISCO. E Van Ness Ave. S of Ellis St.

One-story and basement brick auto sales building, 45x136-6 with L, 25x27-6.

Owner—Withheld.

Architect—Henry Shermund, Mills Bldg., San Francisco.

Segregated Figures Being Taken.

ALTERATION Cost, \$7,500
SAN FRANCISCO. No. 101 Walnut St., corner Jackson.

Alter and add to 2-story frame residence.

Owner—J. H. Polhemus, Premises.

Architect—Smith O'Brien, Bankers' Investment Bldg., San Francisco.

Plans Being Figured.

RESIDENCE Cost, \$5,000
SAN FRANCISCO. Ashbury Terrace.
One and one-half-story frame residence (7 rooms and 2 bathrooms)

Owner—Mr. Oliver.

Architect—Miss Ida McCain, 318 Kearny St., San Francisco.

Plans Being Prepared.

RESIDENCE Cost, \$5,500
SAN FRANCISCO. Westwood Park.
One-story 6-room frame residence.

Owner—Mr. Briden.

Architect—Miss Ida McCain, 318 Kearny St., San Francisco.

SPECIFICATIONS

Exterior Finish, cement plaster; Floors, hardwood; Interior Finish, hardwood; Tile, glazed.

Plans Prepared.

APARTMENTS Cost, \$25,000
MARTINEZ, Contra Costa Co., Cal.
Ferry and Escobar Streets.

Two-story brick stores and apartments, 103x73.

Owner—J. E. Schoolcraft.

Architect—W. A. Doctor, 314 Main St., Martinez.

Plans Being Figured.

FLATS Cost, \$14,000
SAN FRANCISCO. N — E Post.
Two-story and basement frame residential flats; 1 8-room and 2 4-room.

Owner—John Lukes.

Architect—Walter C. Falch, Hearst Bldg., San Francisco.

Plans Being Figured.

WAREHOUSE, ETC. Cost, \$12,000
SAN FRANCISCO.

Two-story reinforced concrete warehouse and factory.

Owner—Withheld.

Architect—M. G. Bugbee, 635 28th Ave., San Francisco, and 679 Washington St.

Plans Being Figured.

ALTERATIONS Cost, \$10,000
SAN FRANCISCO. Jackson and Baker Streets.

Alter two-story frame residence; add 6 rooms; new front; plaster exterior; hot air heating; extension

Owner—Withheld.

Architect—W. H. Crim Jr., 425 Kearny St., San Francisco.

Plans Being Figured. Bids Close July 12, 1919, 2 P. M.

SCHOOL Cost, \$20,000
LOS ANGELES Co. Little Lake School District near Santa Fe Springs.

One-story hollow tile school.

Owner—Little Lake School District.

Architects—Allison & Allison, 1405 Hibernian Bldg., Los Angeles.

Plans Being Figured. Bids Close July 14, 1919, 7 P. M.

SCHOOL Cost, \$——
COVINA, Los Angeles Co., Cal. Covina School District.

One-story reinforced concrete school (16 classrooms, auditorium, etc.)

Owner—Covina Grammar School Dist.

Architect—John C. Austin, 1125 Baker Detwiler Bldg., Los Angeles.

Plans Prepared.

RESIDENCE Cost, \$——
MONROVIA, Los Angeles Co., Cal.
Fourteen-room hollow tile residence, garage, etc.

Owner—Fred H. Nusbickel, East Glendora, Cal.

Architect—Frank O. Eager, American Bank Bldg., Los Angeles.

Plans Being Prepared.

STUDIO Cost, \$——
SANTA BARBARA, Cal.

One-story brick studio building, 40x160.

Owner—Miss Donna I. Youmans.

Architect—Carlton M. Winslow, 1134 Van Nuys Bldg., Los Angeles.

KERMAN, Fresno Co., Cal.—The Trustees of the Kerman Union High School will receive bids for the erection of a frame dwelling house at their office on the High School site at 8 P. M., July 5th.

Plans and specifications may be obtained from D. C. Stanion at his residence, ½ mile south of the High School.

D. C. Stanion, Clerk of the Board of Trustees.

CONTRACTS AWARDED

Liens, Acceptances, Etc.

BUILDING CONTRACTS.

San Francisco County.

No.	Owner	Contractor	Amt.
1197	Johnson	Novelty	400
1199	Gerard Invest	James	4210
1198	French Hspitl	Langlais	1199
1200	Nelson	Nelson	3500
1201	Erikson	Rednall	1500
1202	Mark	Bertsch	500
1203	Miller	Miller	400
1204	Jacobs	Dahlin	400
1205	McKay	Butte	5833
1206	Schlicker	Zinkand	1535
1207	Warbur Rlty.	Barrett	45500
1208	Bergez	Johnson	10390
1209	Rasori	De Favero	16000
1210	Miller	Miller	8000
1211	Gerhardt	Anderson	8000
1212	Heyman	Heyman	3000
1213	Crocker	Bevier	3000
1214	Hillyard	Hillyard	2500
1215	Crocker	Samuelson	2400
1216	Same	Same	2400
1217	Alzina	Alzina	800
1218	Carey	Carey	600
1219	Draper	Draper	500
1220	U S Rubber	Owner	500
1221	Hanschen	Hanschen	400
1222	Hemphill	Ferguson	400
1223	Lyons	Hamill	4400
1224	Mirades	Western	1950
1225	Grasso	Grasso	1500
1226	Taylor	Taylor	900
1227	Winters	Hansborough	850
1228	Doran	Doran	500
1229	Backe	Casoly	487
1230	Russ	Kuchel	400
1231	Mottet	Moller	400
1232	Rude	Steinonen	700
1233	Associated Oil	Barrett	3940
1234	Waterhouse	Littlefield	3226
1235	Same	Fiberstone	1620
1236	Orsi	Orsi	4000
1237	O'Doherty	Costilla	3800
1238	Weisman	Guttridge	1900
1239	Toy	Toy	1250
1240	Kelleher	Brown	900
1241	Poster	Kleiser	750
1242	Frank	Lindner	650
1243	Sekos	Todhunter	525
1244	Kingwell	Kingwell	7000
1245	Harmes	Becaas	2630
1246	Swenson	Swenson	1900
1247	Carroll	Carroll	900
1248	Title Ins.	Pontanello	900
1249	Graces	Hill	400
1250	Gerhardt	Anderson	8181
1251	Jonas	Fink	4000

ELECTRIC SIGN

(1197) CALIFORNIA ST. near Powell
Electric sign.
Owner—Johnson & Richmond, Prem..
Architect—None.
Contractor—Novelty Elec. Sign Co.,
165 Eddy, San Francisco.
COST, \$400

PLUMBING, ETC.

(1199) NE BUSH AND MONROE E
20xN 68-6. Plumbing work, etc., for
six-story and basement apartments.
Owner—Gerard Invest. Co., 110 Sutter,
San Francisco.
Architect—Rousseau & Rousseau, 110
Sutter, San Francisco.

Contractor—J. C. James & C. Drucker
(as James & Drucker), 450 Hayes,
San Francisco.

Filed June 23, '19. Dated May 27, '19.
Roughed in.....\$1578.75
Completed and accepted..... 1578.75
Usual 35 days..... 1052.50

TOTAL COST, \$4210.00

Bond, \$2105. Sureties, Oscar H. Curtaz
and Geo. F. Reiter. Limit, 12 days for
roughing in and 9 days for finish
plumbing. Forfeit, none. Plans and
specifications filed.

ELECTRIC WORK

(1198) S GEARY bet. Fifth and Sixth
Ave. All work for electric light
calling and signal system.

Owner—The French Hospital, Prem.
Architect—Jas. T. Ludlow, 604 Mis-
sion, San Francisco.

Contractor—Browne Langlais Elec.
Constr. Co.

Filed June 23, '19. Dated June 18, '19.
On 1st and 15th of each month 75%
Usual 35 days..... 25%

TOTAL COST, \$1199

Bond, none. Limit, 10 days. Forfeit,
\$40. Plans and specifications filed.

RESIDENCE

(1200) N ULLOA 9th W Dwight. Two
story frame residence.

Owner—Fernando Nelson & Sons,
2701 Lincoln Way, S. F.

Architect—None.
Day's work..... COST, \$3500

ALTERATIONS

1201) NO. 2865 UNION. Alter flats.
Owner—John Erikson, Premises.

Architect—None.
Contractor—W. W. Rednall, 2500
Filbert, San Francisco.

COST, \$1500

ALTERATIONS

(1202) NO. 1765 GEARY. Alter
apartments.

Owner—H. Mark, Buchanan near
Washington, San Francisco.

Architect—None.
Contractor—Wm. H. Bertsch, 2201
California, San Francisco.

COST, \$500

ALTERATIONS

(1293) NE GEARY AND LAGUNA.
Alter dwelling.

Owner—Auron Miller, 2439 Pacific
Ave., San Francisco.

Architect—None.
Day's work..... COST, \$400

ALTERATIONS

(1204) NO. 198 JUDAH. Alter resi-
dence.

Owner—T. P. Jacobs, Premises.
Architect—None.

Contractor—J. A. Dahlin, 115 Judah,
San Francisco.

COST, \$400

ELECTRIC WORK

(1205) BLOCK BOUNDED BY 17th,
Connecticut, 16th and Missouri. All
work for electric work, fixtures, etc.,
for foundry buildings.

Owner—McKay, Moore & Noble, 17th
and Texas, San Francisco.

Architect—None.
Contractor—Butte Eng. & Elec. Co.,
683 Howard, San Francisco.

Filed June 24, '19. Dated June 18, '19.
On 1st of each month..... 75%

Usual 35 days..... 25%

TOTAL COST, \$5838

Bond, none. Limit, 35 days. Forfeit,
none. Plans and specifications filed.

NEW STORE FRONTS

(1206) NE TWENTY-FIRST AND
Folsom. All work for new store
fronts in building.

Owner—Mrs. A. Schlicker, 718 Clay-
ton, San Francisco.

Architect—None.
Contractor—Ed. Zinkand & Son, 434
10th Ave., San Francisco.

Filed June 24, '19. Dated June 14, '19.
On completion.....\$1535

TOTAL COST, \$1535

Bond, limit, forfeit, plans and speci-
fications, none.

SALESROOMS

(1207) SW VAN NESS AVE AND
Sacramento S 60-4xW 100. All work
for reinforced concrete Class "B"
auto salesrooms.

Owner—Warbur Realty Co., Care Ar-
chitect.

Architect—Sylvain Schnaittacher, 233
Post, San Francisco.

Contractor—Barrett & Hilp, Sharon
Bldg., San Francisco.

Filed June 24, '19. Dated May 29, '19.
On 3rd of each month..... 75%

Usual 35 days..... 25%

TOTAL COST not to exceed \$45,500

Bond, \$22,750. Surety, Fidelity & De-
posit Co. of Maryland. Limit, 120
days. Forfeit, none. Plans and
specifications filed.

NOTE:—Contractor to receive \$4500

FRAME FLATS

(1208) NE FULTON & FIFTEENTH
Ave 27-6x100. All work except
finish hardware, shades, electric fi-
xtures, gas radiators and wall beds
for two-story frame (4) flats.

Owner—A. and Isabella Bergez, 590
8th Ave., San Francisco.

Architect—J. C. Hladik, 681 Market,
San Francisco.

Contractor—J. Johnson, 771 28th Ave
San Francisco.

Filed June 24, '19. Dated June 25, '19.
Frame up.....\$2597.50

Brown coated..... 2597.50

Completed and accepted..... 2597.50

Usual 35 days..... 2597.50

TOTAL COST, \$10,390

Bond, \$5195. Sureties, Chas. W. Higgs
and Fred N. Reeve. Limit, 90
days. Forfeit, none. Plans and speci-
fications filed.

GARAGE

(1209) N CLAY 176 E Kearny. One-
story brick public garage.

Owner—S. Rasori, 2042 Taylor, S. F.
Architect—None.

Contractor—DelFavera & Rasori, 2042 Taylor, San Francisco.

COST, \$16,000

DWELLINGS

(1210) W NINETEENTH AVE 100 & 125 N Balboa. Two one-story frame dwellings.

Owner—Wm. A. Miller Co., 743 5th Ave., San Francisco.

Architect—None.

Day's work. COST, \$4,000 each

FLATS

(1211) E TWENTIETH AVE 325 N Cabrillo. Two flats.

Owner—G. T. Gerhardt, 436 20th Ave., San Francisco.

Architect—None.

Contractor—O. E. Anderson, 672 16th Ave., San Francisco.

COST, \$8,000

FRAME DWELLING

(1213) E THIRTY-FOURTH AVE 225 N Fulton. One-story frame dwelling.

Owner—Oscar Heyman & Bro., 742 Market, San Francisco.

Architect—None.

Day's work. COST, \$3,000

RESIDENCE

(1213) S MUNICH 250 E Cordova. One-story frame residence.

Owner—Crocker Estate Co., Crocker Bldg., San Francisco.

Architect—None.

Contractor—C. D. Bevier, 54 Cordova, San Francisco.

COST, \$3,000

ALTERATIONS

(1214) NO. 1042 DELORES. Alter flats.

Owner—Mrs. J. Hillyard, Premises.

Architect—None.

Day's work. COST, \$2,500

FRAME COTTAGE

(1215) E NAPLES 100 N Geneva. One-story frame cottage.

Owner—Crocker Estate, Crocker Bldg San Francisco.

Architect—None.

Contractor—A. M. Samuelson, 3732 21st, San Francisco.

COST, \$2,400

FRAME RESIDENCE

(1216) N SEVILLE 140 W Cordova. One-story frame residence.

Owner—Crocker Est., Crocker Bldg., San Francisco.

Architect—None.

Contractor—A. M. Samuelson, 3732 21st, San Francisco.

COST, \$2,400

ALTERATIONS

(1217) NO. 827 ANZA. Alter residence.

Owner—A. Alzina, Premises.

Architect—None.

Day's work. COST, \$800

ALTERATIONS

(1218) NOS. 120-22-24 BUENA VISTA Ave. Alter for garage.

Owner—J. E. W. Carey, Premises.

Architect—None.

Day's work. COST, \$600

FRAME DWELLING

(1219) N WAYLAND 120 S San Bruno Ave. One-story frame dwelling.

Owner—J. Draper, 4004 Folsom, S. F.

Architect—None.

Day's work. COST, \$500

ALTERATIONS

(1220) NO. 336 SECOND. Alter warehouse and factory.

Owner—U. S. Rubber Co., 50 Fremont, San Francisco.

Architect—None.

Day's work. COST, \$500

ALTERATIONS

(1221) NO. 2624 MISSION. Alter office.

Lessee—H. Hanschen, Premises.

Architect—None.

Day's work. COST, \$400

ALTERATIONS

(1222) NO. 3011 FILLMORE. Alter store.

Owner—Hemphill Estate, Los Gatos.

Architect—None.

Contractor—Ferguson & Son, 1739 Union, San Francisco.

COST, \$400

RESIDENCE

(1223) E TWENTY-FIFTH AVE 284-8 S Anza S 25x E 120. All work for two-story and basement frame residence.

Owner—Jas. J. Lyons and Johanna Lyons, 560 25th Ave., S. F.

Architect—None.

Contractor—Thos. Hamill, 4101 Balboa, San Francisco.

Filed June 25, '19. Dated June 21, '19.

Rough frame up and roof on.....\$1100

Brown coated.....1100

Completed and accepted.....1100

Usual 35 days.....1100

TOTAL COST, \$4400

Bond, none. Limit, 90 days. Forfeit, plans and specifications, none.

ALTERATIONS

(1224) NO. 1400 FILLMORE. Alter restaurant.

Owner—M. E. Mirades, Premises.

Architect—None.

Contractor—Western Hardware Mfg. Co., 1034 Golden Gate Ave., S. F.

COST, \$1,950

FRAME DWELLING

(1225) NE NINETEENTH & RAILROAD Ave., Frame dwelling.

Owner—Natale Grasso, 934 Rail Road Ave., San Francisco.

Architect—None.

Day's work. COST, \$1,500

FRAME RESIDENCE

(1226) E GIRARD 100 N Mansell. One-story frame residence.

Owner—Alfred J. Taylor, 218 Wayland, San Francisco.

Architect—None.

Day's work. COST, \$900

ALTERATIONS

(1227) NO. 888 HYDE. Alter apartments.

Owner—Winters & Prophet, Premises.

Architect—None.

Contractor—G. W. Hansborough, 380 Bush, San Francisco.

COST, \$850

ALTERATIONS

(1228) NO. 141 FIFTH. Build furnace room and lay concrete floor in laundry.

Owner—N. V. Doran, Premises.

Architect—None.

Day's work. COST, \$500

ALTERATIONS

(1229) NO. 2622 SUTTER. Alter flats.

Owner—F. Backe, Premises.

Architect—None.

Contractor—J. P. Casoly, 1322 Lyon, San Francisco.

COST, \$487

ALTERATIONS

(1230) NO. 483 BELVEDERE. Alter for garage.

Owner—Mrs. A. L. Russ, Premises.

Architect—None.

Contractor—Chas. J. Kuchel, 432 Belvedere, San Francisco.

COST, \$400

ALTERATIONS

(1231) NO. 1030 LEAVENWORTH. Alter residence.

Owner—H. Mottet, Premises.....

Architect—None.

Contractor—Moller & Sons, 180 Jessie, San Francisco.

COST, \$400

GARAGE

(1232) NO. 1539 CLAY. Private garage.

Owner—A. W. Rude, 77 O'Farrell, S. F.

Architect—None.

Contractor—S. Steinomen, 3926-a Sacramento, San Francisco.

COST, \$700

SERVICE STATION

(1233) NE POST AND MAJON. All work for steel service station.

Owner—Associated Oil Co., Sharon Bldg., San Francisco.

Architect—None.

Contractor—Barrett & Hulp, Sharon Bldg., San Francisco.

Filed June 26, '19. Dated June 10, '19.

Completed and accepted.....75%

Usual 35 days.....25%

TOTAL COST, \$3,940

Bond, \$3,940. Surety, Fidelity & Deposit Co. Limit, forfeit, none. Plans only filed.

ALTERATIONS

(1234) NW HOWARD 423 NE SECOND NE 90xNW 165. Carpenter, sheet metal, glass, hardware and painting for alterations and additions to building.

Owner—Waterhouse & Lester Co., 540 Howard, San Francisco.

Architect—A. W. Cornelius, Merchants National Bank Bldg., S. F.

Contractor—Roscoe W. Littlefield, 565 16th St., Oakland.

Filed June 26, '19. Dated June 24, '19.

Roof boarding in place.....50%

Completed and accepted.....25%

Usual 35 days.....25%

TOTAL COST, \$3,226

Bond, \$1,620. Sureties, Carl T. Doell and Jno. M. Bartlett. Limit, 30 days.

Forfeit, \$5. Plans and specifications filed.

(1235) RECONSTRUCTION OF ROOF on above.

Contractor—Fibrestone & Roofing Co., 199 10th, San Francisco.

Filed June 26, '19. Dated June 24, '19.

Completed.....75%

Usual 35 days.....25%

TOTAL COST, \$1,620

Bond, \$610. Sureties, Jas. Ringrose & Chas. J. Morrison. Limit, forfeit, none.

Plans and specifications filed.

ALTERATIONS

(1236) NO. 45 COLUMBUS. Alter hotel and restaurant.

Owner—G. Orsi, Premises.

Architect—P. Righetti, 668 Phelan Bldg., San Francisco.
Day's work. COST, \$4000

FLATS

(1237) N IRVING 32-6 W 23rd Ave. Two-story (2) flats and garage.
Owner—Thos. O'Doherty, 996 Valencia St., San Francisco.
Architect—None.
Contractor—Costilla, 202 San Carlos Ave., San Francisco.
COST, \$3800

ALTERATIONS

(1238) SW ELEVENTH & KISSLING Alter flats.
Owner—Mr. Weisman, 1230 Jackson, San Francisco.
Architect—None.
Contractor—P. H. Guttridge, 509 Fredrick, San Francisco.
COST, \$1900

ALTERATIONS

(1239) NOS. 219-221 POWELL. Alter candy store and tea room.
Owner—Geo. B. Toy et al, Manx Hotel San Francisco.
Architect—Alfred Kuhn, 833 Market, San Francisco.
Day's work. COST, \$1250

ALTERATIONS

(1240) NO. 716 MARKET. Alter store Owner—Kelleher & Brown, Premises.
Architect—None.
Day's work. COST, \$900

ELECTRIC SIGN

(1241) NO. 945 MARKET. Roof electric sign.
Owner—Poster & Kleiser Co., 273 Valencia, San Francisco.
Architect—None.
Day's work. COST, \$750

ALTERATIONS

(1242) CHATTANOOGA AND 24TH. Alter store.
Owner—Louis Frank, 3756 24th, S. F. Architect—None.
Contractor—Adolph Lindner, 3762 24th, San Francisco.
COST, \$650

ALTERATIONS

(1243) NO. 1111 MARKET. Alter candy store.
Owner—Louis Sekoo, Premises.
Architect—None.
Contractor—G. C. Todhunter, 446 29th Ave., San Francisco.
COST, \$529

BUNGALOW, ETC.

(1244) LOT 10 BLK 3135 Westwood Park. All work for one-story bungalow and garage.
Owner—Katherine C. Kingwell, 3360 Geary St., San Francisco.
Architect—Chas. F. Strothoff, 2276 15th San Francisco.
Contractor—Dr. John J. Kingwell, 401 Butler Bldg., San Francisco.
Filed June 27, '19. Dated June 13, '19.
Frame up, enclosed & roof on. \$1750
Brown coated. 1750
Completed and accepted. 1750
Usual 35 days. 1750
TOTAL COST, \$7000
Bond \$3000. Surety, Wm. A. Kingwell. Limit, 90 days. Forfeit, none.
Plans and specifications filed.

ALTERATIONS

(1245) NW MISSION AND EM-barcadero. Erect light wells, elec-

tric wiring, changes in plumbing, painting, sheet metal work and roofing.

Owner—John T. Harmes, 80 Post St., San Francisco.
Architect—Milton Latham, 454 Montgomery, San Francisco.
Contractor—Bernard Becas, 915 Pacific St., San Francisco.
COST, \$2630

ALTERATIONS

(1246) NO. 741 MARKET. Alter Market.
Owner—Swenson & Lynch, 3033 16th, San Francisco.
Architect—O'Brien Bros., 797 Bush, San Francisco.
Day's work. Cost, \$1900

ALTERATIONS

(1247) NO. 906 MARKET. Erect 2 new marqueses and mezzanine and new flooring in show windows.
Owner—Paul T. Carroll, 708 Market, San Francisco.
Architect—C. E. Gottschalk, Phelan Bldg., San Francisco.
Day's work. COST, \$900

ALTERATIONS

(1248) NOS. 1533-B-1535 GEARY. Alter candy store.
Owner—Title Insurance & Guaranty Co., 250 Montgomery, S. F. Architect—None.
Contractor—L. Fontanello, 1920 Pine, San Francisco.
COST, \$900

ALTERATIONS

(1249) NO. 174-180 SIXTH. Alter store.
Owner—Dudley Graces, Premises.
Architect—None.
Contractor—J. A. Hill, 1301 Leavenworth, San Francisco.
COST, \$400

FRAME FLATS

(1250) E TWENTIETH AVE 325 N Cabrillo N 25xE 120. All work except mantels, tiling, wall paper, gas and electric fixtures, finish hardware for two-story and basement frame (2) flats.
Owner—Geo. Gerhardt and Geo. Coleman, 458 20th Ave., S. F. Architect—None.
Contractor—O. E. Anderson, 672 16th Ave., San Francisco.
Filed June 28, '19. Dated May 28, '19.
Roof on. \$262½
1st coat plaster on. 2029
Completed and accepted. 2029
Usual 35 days. 2098
TOTAL COST, \$8185
Bond, none. Limit, 90 days. Forfeit, none.
Plans and specifications filed.

ALTERATIONS

(1251) NO. 902 MARKET. All work for new entrance.
Owner—Milton Jonas, 908 Market St., San Francisco.
Architect—None.
Contractor—The Fink & Schindler Co. Inc., 218 13th St., San Francisco.
Filed June 28, '19. Dated June 13, '19.
July 18, 1919. \$1500
On completion. 1500
Usual 35 days. Balance
TOTAL COST, \$4000
Bond, \$2000. Sureties, Ernest Richter and Otto F. Hildebrecht. Limit, none.
Forfeit, \$50. Plans and specifications filed.

NOTICE OF NON-RESPONSIBILITY.

San Francisco County.

June 27, 1919—S BROADWAY 55 E Polk E 82-6XS 137-6. I Leibes as to improvement on leased property
June 24, 1919—SW POWELL AND Ellis S 48xW 75. Benj H Lichtenstein as to improvements on leased property

LEASES.

San Francisco County.

June 25, 1919—E SEVENTEENTH AV 75 N Anza N 25xE 90. Margt Powleson to Jno B Kinsman. 10 months \$200.
June 26, 1919—SE STEVENSON AND New Montgomery. F J Corr to Jno P Soussens. 10 years, \$18,000; assigned June 4, '18, to Karl Mattheas
June 4, 1919—N SACRAMENTO 155 E Drumm E 20xN 59-9. City and County of San Francisco to H and W Pierce, Inc. 20 years. \$17.50 per month.

COMPLETION NOTICES.

San Francisco County.

RECORDED ACCEPTED
June 25, 1919—S WASHINGTON 223-9 W Presidio W 37xS 127-8½. Moses Stern to Monson Bros. June 21, 1919
June 24, 1919—E HOWARD & DORE NE 82xSE 100. O'Brien-Kiernan Realty Co to Kiernan & O'Brien. June 24, 1919
June 24, 1919—LAKE MERCED Ranch Pumping Station. Spring Valley Water Co to Sage Watson
June 21, 1919—LOT 3 BLK 3175, Wesawood Park. Linnie Morris to Gordon W Morris. June 18, 1919
June 23 1919—E TWENTY-EIGHTH Ave 205 N California N 25xE 120. Harry B Allen to whom it may concern. June 18, 1919
June 23 1919—E TWENTY-EIGHTH Ave 230 N California N 25xE 120. Harry B Allen to whom it may concern. June 18, 1919
June 23 1919—E TWENTY-EIGHTH Ave 180 N California N 25xE 120. Harry B Allen to whom it may concern. June 18, 1919
June 23, 1919—W SHOTWELL 125 S 14th S 25xW 120. J C Leiser to Joel Johnson. June 20, 1919
June 24, 1919—W TWENTY-SIXTH Ave 200 S Taraval S 25x 125. Ethel R Johnson to whom it may concern. June 16, 1919
June 24, 1919—W TWENTY-EIGHTH Ave 200 S Anza S 50xW 120. E F Bugbee to whom it may concern. June 23, 1919
June 24, 1919—W TWELFTH AVE 225 S Lawton S 50xW 120. Knut Anderson to whom it may concern. June 23, 1919
June 24, 1919—S PACIFIC 92-6 W Grant Ave W 182-6XS 137-6. Senators Garage to White & Gloor. June 17, 1919
June 24, 1919—NE HYDE & LOMBARD E 137-6xN 275. Carl A Henry to McLaren & Peterson. June 23, '19
June 27, 1919—LOT 21 BLK 3163, Westwood Park. Hilding Ander-

son to Anderson & Johnson.....
 June 27, 1919
 June 27, 1919—NE EIGHTEENTH
 Ave and Fulton E 32-6XN 50. J A
 Hammill to Thomas Hammill.....
 June 26, 1919
 June 27, 1919—E TWENTY-SIXTH
 Ave 200 S Geary S 25XE 140.
 Frederick K Perry to Frederick K
 Perry..... June 27, 1919

LIENS FILED.

San Francisco County.

June 25 1919—N TWENTY-SECOND
 37-6 E Dolores E 30xN 94. E A
 Hoadley vs Josephine Patton.....\$79
 June 24, 1919—NOS. 2888 AND 2890
 Mission. Leon Blum (as Leon
 Blum Co) vs Wm Sterling and P
 E Lyrch.....\$120

BUILDING CONTRACTS

Alameda County.

The following is an index for the
 contracts for this issue:

No.	Owner	Contractor	Am't.
1273	Perguson	Perguson	2500
1274	Fidelity	Davis	568
1275	Same	Miller	1305
1276	Same	Kopp	3555
1277	Trebotich	Owner	—
1278	Moyer	Spencer	10300
1279	Bowring	Bowring	3000
1280	Janssen	Gaba	3000
1281	Maguire	Walker	2500
1282	Harst	Harst	2000
1283	Hinch	Healy	1000
1284	Fok	Estey	2319
1285	Sawyer	Gompertz	2000
1286	Roberts	Roberts	1500
1287	Wihrus	Wihrus	500
1288	Silvernail	Owner	500
1289	Ullman	Texdahl	400
1290	Henshaw	Mealey	6533
1291	Lloyd	Nelson	13329
1292	S P Co	Tibbitts	—
1293	Mueller	Mueller	14000
1294	Muller	Muller	13000
1295	Whalin	Whalin	5700
1296	Nunes	Nunes	7000
1297	Swanson	Calif	6900
1298	Booth	Warner	6700
1299	East Bay	Owner	5000
1300	Leveroni	Gold	2000
1301	Turner	Turner	1900
1302	O'Donnell	Scott	1800
1303	Harrison	McPhee	1500
1304	Hammer	Owner	1200
1305	Bjerke	Hansen	3425
1306	Vail	Vail	6000
1307	Raymond	Rutherford	3200
1308	Monion	Dean	2400
1309	Marquis	Marquis	2200
1310	Huffaker	Owner	2000
1311	Knealy	Philbrick	400
1312	Layton	Layton	400
1313	Hays	Larmer	8500
1314	Peterson	Noble	3000
1315	Ratto	Noble	2600
1316	Suelfloim	Owner	1500
1317	Fetter	Schneblly	1200
1318	Denning	Kerr	950
1319	McDonald	Owner	500
1320	Minium	Owner	446
1321	Reuble	Reuble	400
1322	Correrie	Strang	6500
1323	Howard	Healy	4994
1324	Korth	Pallen	3500
1325	Kinney	Kinney	2500
1326	Stow	Schwalm	800
1327	Barker	Thompson	400
1328	Douglass	Rubinstein	400
1329	Miller	Jones	3000
1330	Pfrang	Pfrang	1950

1331	Rossi	Rossi	400
1332	Kil-zker	Nielson	4200
1333	East Bay	Owner	300
1334	MacGregor	Owner	3000
1335	MacGregor	Owner	3000
1336	MacGregor	Owner	2950
1337	MacGregor	Owner	2900
1338	MacGregor	Owner	2875
1339	MacGregor	Owner	2850
1340	Lesser	Walker	500
1341	Wright	Smith	450
1342	Wiebel	Warren	4735
1343	Hamilton	Sims	33000

(1273) E HIGH 600 N Virginia, Oak-
 land. One-story 5-room dwelling.
 Owner—Joseph E. Ferguson, 4336
 Evans Ave., Oakland.
 Architect—None.
 Day's work. COST, \$2500

(1274) SE GROVE AND BLAKE,
 Berkeley. All work for lathing and
 plastering two one-story dwellings.
 Owner—Fidelity Mortgage Securities
 Co. of Calif., 1st National Bank
 Bldg., Berkeley.
 Architect—W. H. Ratcliff Jr., 1st Na-
 tional Bank Bldg., Berkeley.
 Contractor—Elmer Davis, 2009 Min-
 nesota Ave., Oakland.

Filed June 23, '19. Dated June 2, '19.
 On 1st and 15th each month..... 75%
 Usual 35 days..... 25%
 TOTAL COST, \$568

Bond, none. Limit, as soon as pos-
 sible. Forfeit, none. Plans and
 specifications filed.

(1275) (1) NW YORK DRIVE AND
 HOLLY PLACE; (2) SW YORK DRIVE &
 HOLLY PLACE; (3) W CHETWOOD 160
 S Santa Rosa Ave., Oakland. All
 work for lathing and plastering
 three one-story dwellings.

Owner—Fidelity Mortgage Securities
 Co. of Calif., 1st National Bank
 Bldg., Berkeley.

Architect—W. H. Ratcliff Jr., 1st Na-
 tional Bank Bldg., Berkeley.

Contractor—R. A. Miller.
 Filed June 23, '19. Dated June —, '19.
 On 10th and 25th of each month 75%
 Usual 35 days..... 25%

TOTAL COST, \$1305
 Bond, limit, forfeit, none. Plans and
 specifications filed.

(1276) CARPENTER WORK ON
 above.

Contractor—H. J. Kopp, Oakland and
 W. J. Jordan, Alameda.

Filed June 23, '19. Dated June —, '19.
 Payments same as above.....

TOTAL COST, \$3555
 Bond, limit, forfeit, none. Plans and
 specifications filed.

(1277) W WOOD bet. 9th and 10th,
 Oakland. All work for one-story
 dwelling.

Owner—John Trebotich, 1770 7th, Okd

Architect—None.

Day's work.

Filed June 23, '19. Dated —, —.

TOTAL COST, \$—
 Bond, limit, forfeit, none. Plans and
 specifications filed.

(1278) E LAKE SHORE AVE 55 S
 Lake Park, Oakland. Two-story 20
 room apartments and garage.

Owner—Dr. J. J. Moyer, Thayer Bldg.,
 Oakland.

Architect—None.

Contractor—E. A. Spencer, 577 Apgar
 Oakland.

COST, \$10,300

(1279) N MCKINLEY AVE 25 W Alma
 Ave., Oakland. One-story 6-room
 dwelling.

Owner—H. F. Bowring, 3449 Laguna
 Ave., Oakland.

Architect—None.

Day's work. COST, \$3000

(1280) S FIFTY-SEVENTH 110 W
 Grove, Oakland. One-story 6-room
 dwelling.

Owner—E. A. Janssen, Hearst Bldg.,
 San Francisco.

Architect—None.

Contractor—J. W. Gaba, 5782 Shafter
 Ave., Oakland.

COST, \$3000

(1281) NE TWENTY-SECOND AVE
 and E-28th, Oakland. One and one-
 half-story 6-room dwelling.

Owner—Thos. Maguire, 22nd Ave and
 E-28th, Oakland.

Architect—L. F. Hyde, 26th Ave.,
 Oakland.

Contractor—S. C. Walker, 23rd Ave &
 E-27th, Oakland.

COST, \$2500

(1282) W GREENWOOD AVE 11 S
 Fleet Road, Oakland. One-story 3-
 room dwelling.

Owner—W. A. Harst.

Architect—None.

Day's work. COST, \$2000

(1283) NW SEVENTH AND CENTER
 Berkeley. Alterations.

Owner—J. F. Hinch, Federal Bldg.,
 Berkeley.

Architect—None.

Contractor—P. J. Healy, 842 37th,
 Berkeley.

COST, \$1000

(1284) N HEARST AVE 45 W
 Franklin, Berkeley. One-story 4-
 room dwelling.

Owner—Henrietta Fok, Cor. College &
 Broadway, Oakland.

Architect—None.

Contractor—G. F. Estey, 1815 Hearst
 Ave., Berkeley.

COST, \$2319

(1285) W BONITA AVE 197 N Berry-
 man, Berkeley. One-story 4-room
 dwelling.

Owner—Kate Gompertz and Blanch
 Sawyer, 1228 Bonita, Bkly.

Architect—None.

Contractor—C. W. Gompertz, Sequoia
 Apts., Berkeley.

COST, \$2000

(1286) S HEARST AVE 100 E Curtis
 Berkeley. One-story 5-room dwlg.

Owner—W. L. Roberts, 1323 Curtis,
 Berkeley.

Architect—None.

Contractor—C. B. Roberts, 1823 Curtis
 Berkeley.

COST, \$1500

(1287) NO. 151 HILL CREST ROAD,
 Berkeley. Replaster.

Owner—Thos. H. Wihrus, Premises.

Architect—None.

Day's work. COST, \$500

(1288) NO. 2315 JEFFERSON, Ber-
 keley. Repairs and garage.

Owner—O. F. Silvernail, Premises.

Architect—None.

Day's work. COST, \$500

(1289) NO. 1909 ASHBY AVE., Ber-
 keley. Reshingle.

Owner—Ulman, Premises.
Architect—None.
Contractor—C. Texdahl, 2035 Harper, Berkeley. COST, \$400
(1290) N THIRTEENTH 100 E Alice E 103 N 200 W 94 S 100 W 9 S 100, Okd. Brick and terra cotta work for garage and store building.
Owner—William G. Henshaw, Mills Bldg., San Francisco.
Architect—A. W. Pattiani, 625 Market San Francisco.
Contractor—Mealey & Collins, 180 Jessie, San Francisco.
Filed June 24, '19. Dated June 9, '19.
Walls ready for roof trusses.....\$2500
Completed and accepted.....2399
30 days after.....1634
TOTAL COST, \$5533
Bond, \$3300. Sureties, J. E. MacCormack and Wm. Makin. Limit, 25 days. Forfeit, \$15. Plans and specifications filed.

(1291) E HARRISON 658 N 12th N 56xE 150, Oakland. All work for one-story reinforced concrete garage.
Owner—John E. and Thomas H. Lloyd 2651 Seminary Ave., Oakland.
Architect—Chas. W. McCall, Central Bank Bldg., Oakland.
Contractor—A. D. Nelson and Chas. Forsyth (Nelson & Forsyth), 565 16th, Oakland.
Filed June 24, '19. Dated June 21, '19.
Concrete forms in place and steel set.....\$1800
Ready to pour concrete.....1600
Concrete wall poured.....2200
Concrete floor poured.....1700
Completed and accepted.....2603
Usual 35 days.....3426
TOTAL COST, \$13,329
Bond, \$6665. Sureties, Delbert W. and Mary Lillian Robertson and Mary E. Nelson. Limit, 30 days. Forfeit, \$15. Plans and specifications filed.

(1292) LONG WHARF, Oakland. Extended time for demolishing Long Wharf for 120 days.
Owner—Director General Railroads, Southern Pacific Railroad.
Architect—None.
Contractor—Tibbitts-Pacific Co., 16 California, San Francisco.
Filed June 23, '19. Dated June 11, '19.
TOTAL COST, \$—

(1293) NW E-FOURTEENTH AND 46th Ave., Oakland. One-story reinforced concrete factory.
Owner—Mueller Bros., Call Bldg., San Francisco.
Architect—F. D. Boese.
Day's work. COST, \$14,000

(1294) SE TWENTY-FOURTH AND Webster, Oakland. One-story brick auto accessory building.
Owner—Muller & Faulkner, Oakland.
Architect—Clay N. Burrell, 1st Savings Bank Bldg., Oakland.
Contractor—F. A. Muller, Syndicate Bldg., Oakland.
COST, \$13,000

(1295) N FORTY-FIRST 90 and 130 E Webster, Oakland. Two one-story 5-room dwellings.
Owner—J. F. Whalin, 407 Federal Bldg., Oakland.
Architect—None.
Day's work. COST, \$2850 each

(1296) NW CHABOT ROAD AND Elsie Ave., Oakland. Two-story 8-room dwelling.

Owner—Geo. Nunes, 5430 Dover, Okd. Architect—None.
Day's work. COST, \$7000
(1297) W LAKESHORE AVE 440 N Lake Park, Oakland. Two-story 12 room apartments.
Owner—K. Swanson, 1534 Franklin, Oakland.
Architect—None.
Contractor—California Builders Co., 1534 Franklin, Oakland.
COST, \$6900

(1298) S E-FIFTEENTH 150, 179, 208 and 237 W 41st Ave., Oakland. Four one-story 4-room dwellings.
Owner—Booth Fredericks Realty Co., 928 16th, Oakland.
Architect—L. F. Hyde, 26th Ave., Oakland.
Contractor—S. A. Warner, 4606 Brookdale Ave., Oakland.
COST, \$1650 each

(1299) N SIXTEENTH 100 W Telegraph Ave., Oakland. Foundation for four-story Class "C" building.
Owner—East Bay Water Co., 9th and Broadway, Oakland.
Architect—Wm. Knowles, Central Bk. Bldg., Oakland.
Day's work. COST, \$5000

(1300) N SANTA CLARA AVE 200 N Grand Ave., Oakland. One-story 4-room dwelling.
Owner—C. Leveroni, 462 Crescent, Oakland.
Architect—None.
Contractor—Francis E. Gold, 731 Cleveland Ave. Oakland.
COST, \$2000

(1301) NE FIFTH AND CAMPBELL, Oakland. Alterations.
Owner—A. E. Turner, Premises.
Architect—None.
Day's work. COST, \$1900

(1302) SW TWENTY-THIRD AND Webster, Oakland. Tile floor.
Owner—J. R. O'Donnell, 3703 Leighton Ave., Oakland.
Architect—None.
Contractor—Scott Co., 243 Minna, San Francisco.
COST, \$1800

(1303) NO. 2800 BROADWAY, Oakland. Fire repairs.
Owner—H. O. Harrison, Premises.
Architect—None.
Contractor—A. J. McPhee, 2141 E-27th Oakland.
COST, \$1500

(1304) E SEMINARY AVE, Leona Heights, Oakland. One-story four-room dwelling.
Owner—Adam Hammer, Oakland.
Architect—None.
Day's work. COST, \$1200

(1305) LOT 7 BLK "H" being S Pacific Ave 49 E Benton, Alameda. All work for one-story dwelling.
Owner—S. Bjerke, C. Hansen and S. B. Davis, 1715 Arbor, Alameda.
Architect—None.
Contractor—C. Hansen, 1714 9th St., Alameda.

Filed June 24, '19. Dated June 23, '19.
Frame up.....\$1000
Brwn coated.....900
Completed.....725
Usual 35 days.....800
TOTAL COST, \$3425

Bond, none. Limit, 60 days. Forfeit, none. Specifications only filed.

(1306) S E-TWENTY-THIRD 100 E 7th Ave., Oakland. Two-story 7-room dwelling.
Owner—Emma C. Vail, 2242 7th Ave., Oakland.
Architect—C. N. Burrell, 1st Savings Bank Bldg., Oakland.
Contractor—H. R. Vail, 725 E-23rd, Oakland.
COST, \$6000

(1307) S MCKINLEY AVE 58 E Athol Ave., Oakland. One-story 5-room dwelling.
Owner—Raymond D. Jones, 38 Cambridge Ave., San Leandro.
Architect—A. W. Smith, 1010 Broadway, Oakland.
Contractor—Tom Rutherford, 985 35th Oakland.
COST, \$3200

(1308) NO. 2417 DELMAR, Oakland. One-story 5-room dwelling.
Owner—N. Monion, Premises.
Architect—None.
Contractor—C. M. Dean, 2025 Damuth Oakland.
COST, \$2400

(1309) W DIVISION 250 S Hampel, Oakland. One and one-half-story 5 room dwelling.
Owner—E. M. Marquis, 2827 Russell, Berkeley.
Architect—None.
Day's work. COST, \$2200

(1310) E FAIRFAX AVE 84 S Bond, Oakland. One-story 5-room dwlg.
Owner—E. Huffaker, 3394 High, Okd.
Architect—None.
Day's work. COST, \$2000

(1311) NO. 1359 E-THIRTY-7th, Okd. Alterations.
Owner—J. Knealey, Premises.
Architect—None.
Contractor—O. S. Philbrick, 1385 E-38th, Oakland.
COST, \$400

(1312) NO. 2415 HUMBOLDT, Oakland. Shed.
Owner—Wm. J. Layton, 2829 Chestnut Oakland.
Architect—None.
Day's work. COST, \$400

(1313) SE GARBER & COLLEGE Ave., Berkeley. Two-story 16-room apartments.
Owner—J. Hayr, Denver, Colo.
Architect—None.
Contractor—Edw. Larmer, 470 Boulevard Way, Oakland.
COST, \$8500

(1314) NO. 1363 BROADWAY, Alameda. One-story 5-room dwelling.
Owner—Effa G. Peterson, 1818 Mulberry, Alameda.
Architect—None.
Contractor—Geo. H. Noble, 2205 Santa Clara Ave., Alameda.
COST, \$3000

(1315) NO. 1367 BROADWAY, Alameda. One-story 5-room dwelling.
Owner—A. L. Ratto, Bay Farm Island Alameda.
Architect—None.
Contractor—G. H. Noble, 2205 Santa Clara Ave., Alameda.
COST, \$2600

(1316) NO. 478 CENTRAL AVE., Alameda. One-story 3-room dwelling.

Owner—G. H. Suelholm, Premises.

Architect—None.

Day's work. COST, \$1500

(1317) NO. 2424 CENTRAL AVE., Alameda. Alterations.

Owner—Ernest Petter, 21st & Webster, Oakland.

Architect—None.

Contractor—Schnebly & Hostrawser, 6th and Jackson, Oakland.

COST, \$1200

(1318) NO. 3238 FAIRVIEW AVE., Alameda. Alterations.

Owner—Mr. Denning, Premises.

Architect—None.

Contractor—W. G. Kerr, 2253 Alameda Ave., Alameda.

COST, \$950

(1319) NO. 1442 MORTON, Alameda. Alterations.

Owner—Chas. McDonald, Premises.

Architect—None.

Day's work. COST, \$500

(1320) NO. 1122 BAY, Alameda. Garage.

Owner—Willis Minuim, Premises.

Architect—None.

Day's work. COST, \$446

(1321) NO. 758 EAGLE AVE., Alameda. Addition.

Owner—G. Reuble, Premises.

Architect—None.

Day's work. COST, \$400

(1322) SW WELDON AND VERMONT being Lot 50 Map Grand Ave. Terrace, Oakland. All work for two-story dwelling.

Owner—M. F. Corriea, 531 E-21st St., Oakland.

Architect—M. I. Diggs, Union Bank Bldg., Oakland.

Contractor—F. N. Strang, 1405 Central Ave., Alameda.

Filed June 26, '19. Dated May 25, '19. On presentation of bills.....

TOTAL COST, \$6500

Bond, noné. Limit, 90 days. Forfeit, none. Plans and specifications filed.

(1323) FOOT MARKET, ST., Oakland. All work for repairs to wharf.

Owner—Howard Co., 1st and Market, Oakland.

Architect—None.

Contractor—Healy Tibbitts Constr. Co., 9 Main St., San Francisco.

Filed June 26, '19. Dated June 24, '19. Completed and accepted.....\$4994

TOTAL COST, \$4994

Bond, \$2500. Sureties, National Surety Co. Limit, 18 days. Forfeit, none. Specifications only filed.

(1324) N SHAFTER AVE 768 E College Ave., Oakland. One-story 5-room dwelling.

Owner—Chas. Korth, 597 Appgar, Okd.

Architect—None.

Contractor—A. H. Pallen, 686 61st, Oakland.

COST, \$3500

(1325) W WEBSTER 80 N 43rd, Oakland. One-story 5-room dwelling.

Owner—C. H. Kinney, 560 62nd, Okd.

Architect—None.

Day's work. COST, \$2500

(1326) NE NEWTON AND STOW, Oakland. Addition.

Owner—Garfield Stow, Oakland.

Architect—None.

Contractor—Harry Schwalm, 721 Main St., Hayward.

COST, \$800

(1327) NO. 426 THIRTEENTH, Oakland. Alterations.

Owner—Mrs. P. L. Barker, Premises.

Architect—None.

Contractor—E. S. Thompson & Son, 3656 Broadway, Oakland.

COST, \$400

(1328) NO. 1717 LINDEN, Oakland. Garage.

Owner—E. Douglass, Premises.

Architect—None.

Contractor—K. Rubinstein, 668 6th, Oakland.

COST, \$400

(1329) W ALAMEDA 304 N Marin, Berkeley. One-story 6-room dwlg.

Owner—W. S. Miller, 2100 Shattuck Ave., Berkeley.

Architect—None.

Contractor—A. M. Jones, 2100 Shattuck Ave., Berkeley.

COST, \$3000

(1330) N CEDAR 68 W 10th, Berkeley. One-story 5-room dwelling.

Owner—C. J. Pfrang, 480 Forest St., Oakland.

Architect—None.

Day's work. COST, \$1950

(1331) NO. 2302 TELEGRAPH AVE., Berkeley. Alterations.

Owner—G. Rossi & Co., 465 12th, Okd.

Architect—None.

Day's work. COST, \$400

(1332) FIFTY-SIXTH 100 NW Dover, Oakland. All work for two-story frame dwelling.

Owner—Edward Kletzer, 1514 Jackson, Oakland.

Architect—None.

Contractor—Holger Nielson, 4127 24th St., San Francisco.

Filed June 27, '19. Dated June 20, '19. Frame up.....\$1053.75

Brown coated.....1053.75

Completed and accepted.....1053.75

Usual 35 days.....1038.75

TOTAL COST, \$4200.00

Bond, \$2107.50. Surety, O. F. Bauer. Limit, 60 days after June 23. Forfeit, none. Plans and specifications none.

(1333) N FORTIETH near Cerrito Ave., Oakland. Reservoir cover.

Owner—East Bay Water Co., 9th & Broadway, Oakland.

Architect—None.

Day's work. COST, \$3000

(1334) NW FIFTY-NINTH AND Marshall, Oakland. One and one-half-story 6-room dwelling.

Owner—C. M. MacGregor, 470 13th, Oakland.

Architect—None.

Day's work. COST, \$3000

(1335) S BAY VIEW PLACE 110 W 11th Ave., Oakland. One and one-half-story 7-room dwelling.

Owner—C. M. MacGregor, 470 13th, Oakland.

Architect—None.

Day's work. Cost, \$3000

(1336) S BAY VIEW PLACE 35 W 11th Ave., Oakland. One and one-half-story 6-room dwelling.

Owner—C. M. MacGregor, 470 13th, Oakland.

Architect—None.

Day's work. COST, \$2950

(1337) S BAY VIEW PLACE 227 W 11th Ave., Oakland. One and one-half-story 7-room dwelling.

Owner—C. M. MacGregor, 470 13th, Oakland.

Architect—None.

Day's work. COST, \$2900

(1338) S BAY VIEW PLACE 227 W 11th Ave., Oakland. One and one-half-story 6-room dwelling.

Owner—C. M. MacGregor, 470 13th, Oakland.

Architect—None.

Day's work. COST, \$2875

(1339) S BAY VIEW PLACE 149 W 11th Ave., Oakland. One and one-half-story 6-room dwelling.

Owner—C. M. MacGregor, 470 13th, Oakland.

Architect—None.

Day's work. COST, \$2850

(1340) SW TENTH AND WASHINGTON, Oakland. Alterations.

Owner—Lesser Bros., 9th and Washington, Oakland.

Architect—None.

Contractor—F. G. Walker, 366 4th, Oakland.

COST, \$500

(1341) NO. 4172 HOWE, Oakland. Addition.

Owner—Mrs. Wright, Premises.

Architect—None.

Contractor—Frank Smith, 2230 17th Ave., Oakland.

COST, \$450

(1342) N 35 LOT 12 BLK 1 Map The Highlands, Berkeley. All work except electric fixtures, shades and furnace for one-story and basement frame dwelling.

Owner—O. W. Weibel, 6207 Hillegass Ave., Berkeley.

Architect—James W. Plachek, 2014 Shattuck Ave., Berkeley.

Contractor—C. H. Warren, 2257 Fulton St., Berkeley.

Filed June 28, '19. Dated June 18, '19. Frame up..... $\frac{1}{4}$

Plastered..... $\frac{1}{4}$

Completed and accepted..... $\frac{1}{4}$

Usual 35 days..... $\frac{1}{4}$

TOTAL COST, \$4735

Bond, none. Limit, 65 days. Forfeit, none. Plans and specifications filed.

ward Park, Oakland. All work for (1343) PTN. LOT 19 BLK 10 Boulevard and one-half-story six-room dwelling.

Owner—F. V. Hamilton, Oakland.

Architect—None.

Contractor—Wm. H. Sims, 1926 64th Ave., Oakland.

Filed June 28, '19. Dated June 21, '19. Frame up..... $\frac{1}{4}$

Plastered..... $\frac{1}{4}$

Completed and accepted..... $\frac{1}{4}$

Usual 35 days..... $\frac{1}{4}$

TOTAL COST, \$3300

Bond, limit, forfeit, none. Plans and specifications filed.

SACRAMENTO FILTRATION BONDS CARRY.

SACRAMENTO, Cal.—This city has voted \$1,800,000 to finance the construction of a modern filtration plant and water works.

BUILDING CONTRACTS.

Fresno County.

LOTS 9 AND 10 BLK 6 North Park Terrace, Fresno. Dwelling and garage.
Owner—J. H. Stivers, 3452 Illinois St., Fresno.
Architect—None.
Day's work. COST, \$5000

LOTS 3, 4, 5, 6, 7 AND 8 BLY 11, Fresno Heights No. 2, Fresno. Three dwellings and garages.
Owner—C. E. Brogdon, 3701 McKenzie St., Fresno.
Architect—None.
Contractor—G. H. Stivers, 3452 Illinois St., Fresno.
COST, \$3000 each

LOTS 95 AND 96, Ingersoll Tract, Fresno. Dwelling and garage.
Owner—Ben Epstein, 1910 Mariposa St., Fresno.
Contractor—G. H. Stivers, 3452 Illinois St., Fresno.
COST, \$8000

LOTS 1, 2, AND 3 BLK 91, Fresno. Store building.
Owner—Geo. H. Bernard.
Architect—None.
Contractor—A. Allen, 259 Blackstone St., Fresno.
COST, \$23,500

NO. 1300 ROOSEVELT AVE., Fresno. Frame dwelling.
Owner—Ray Burnham, 335 Poplar St., Fresno.
Architect—None.
Contractor—J. L. Berg, Fresno.
COST, \$2750

LOTS 22 AND 23 BLK 1, Forthcamp Addition, Fresno. Store building.
Owner—P. T. Ryan, 440 Poplar St., Fresno.
Architect—None.
Day's work. COST, \$7000

LOT 5 BLK 15, Hazelwood, Fresno. Frame dwelling and garage.
Owner—Thos. Montgomery, 274 Thesta St., Fresno.
Architect—None.
Contractor—Reese & Atkins, 3643 Platt St., Fresno.
COST, \$3900

Recorded June 23, 1919—Accepted June 21, 1919
LOT 22 N ½ Lot 21 Blk 1, Palm Heights Addition, Fresno. K C Buwalda to whom it may concern.

LOTS 15 AND 16 BLK 234, Fresno. Dwelling.
Owner—Blackwell Bldg., Co., 210 Trust Co., Bldg., Fresno.
Architect—None.
Day's work. COST, \$5000

LOTS 15, 16, 17 AND 18 BLK 1, La Sierra Tract, Fresno. Two dwellings.
Owner—C. C. L. & I Co., Fresno.
Architect—None.
Contractor—R. C. Blackwell, 210 Trust Co., Bldg., Fresno.
COST, \$4000 each

LOTS 15 AND 16 BLK 25, Fresno. Store building.

BUILDING AND ENGINEERING NEWS

Owner—P. Broches, Fresno.
Architect—None.
Contractor—Prichard Bros., 2970 Illinois St., Fresno.
COST, \$4000

LOT 5 BLK 12, Wilson North Fresno Tract, Fresno. Frame dwelling and garage.
Owner—Geo. Miller, Fresno.
Architect—None.
Contractor—E. J. Farr, 245 Forthcamp St., Fresno.
COST, \$6650

LOTS 35 AND 36 BLK 4, Fresno Hts. No. 2, Fresno. Dwelling and garage
Owner—McMurry & McCabe, 837 "I" St., Fresno.
Architect—None.
Contractor—Reese & Atkins, 3643 Platt St., Fresno.
COST, \$2500

SANTA FE RESERVATION, Fresno. Warehouse.
Owner—E. Y. Foley, 608 Rowell Bldg. Fresno.
Architect—None.
Day's work. COST, \$1500

LOT 8 E ½ LOT 7 BLK 33, Belmont Addition, Fresno. Dwelling and garage.
Owner—R. M. Klein, Fresno.
Architect—None.
Contractor—E. H. Horner, Clinton St., near Palm St., Fresno.
COST, \$3500

LOTS 21 AND 22 BLK 10, Altamont Addition, Fresno. Frame dwelling and garage.
Owner—Mrs. S. M. Roberts, 205 Blackstone St., Fresno.
Architect—None.
Contractor—A. Nicholson, 903 Palm St., Fresno.
COST, \$15,000

LOTS 23 AND 24 BLK 4, College Addition, Fresno. Frame dwelling and garage.
Owner—Jno. G. Porter, 950 Cambridge St., Fresno.
Architect—None.
Day's work. COST, \$7000

BUILDING CONTRACTS.

Sacramento County.

S 100 LOT 8, H. I. 17th and 18th Sts., Sacramento. Addition to dwelling.
Owner—Mrs. Kath. Meister, 1705 I St., Sacramento.
Architect—None.
Contractor—A. W. Norris, 3012 G St., Sacramento.
COST, \$1600

LOT 4 Smith Tract, Sacramento. Frame dwelling.
Owner—R. Stefani, 5020 L St., Fresno.
Architect—None.
Day's work. COST, \$2200

LOT 9 BLVD. PARK, Sacramento. Two-story frame dwelling.
Owner—A. G. Folger, Peoples Savings Bank, Sacramento.
Architect—None.
Contractor—W. R. Saunders, 3770 4th Ave., Sacramento.
COST, \$8167

E ½ LOT 3, X, Y, 15th and 16th Sts., Sacramento. Alter dwelling.
Owner—T. Mayrikay, Sacramento.
Architect—None.
Contractor—A. W. Norris, 3012 G St., Sacramento.
COST, \$2800

LOT 1, L, M, 5th and 6th Sts., Sacramento. Building.
Owner—Ida M. Foster, Sacramento.
Architect—None.
Contractor—Geo. D. Hudnutt Inc., 211 California Fruit Bldg., Sacramento.
Filed June 23, '19. Dated June 17, '19. Limit, 70 days. COST, \$16,850

E 40 LOT 108 H. J. Goethes Addition, Sacramento. One-story dwelling.
Owner—R. Kennell, Sacramento.
Architect—None.
Contractor—W. B. Phillips, 4139 4th Ave., Sacramento.
COST, \$2900

W ½ LOT 6, N. J. 20th and 21st Sts., Sacramento. One-story brick paint shop.
Owner—R. Charleville, 2019 O St., Sacramento.
Architect—None.
Contractor—W. L. Chatterton, 3162 Serra Way, Sacramento.
COST, \$3600

LOT 9 Blvd. Park, Sacramento. Two-story dwelling.
Owner—A. L. Folger, Sacramento.
Architect—None.
Contractor—W. R. Saunders, 2614 I St., Sacramento.
COST, \$9000

BUILDING CONTRACTS.

San Joaquin County.

BUILDING
LOT 6 BLK 11 Yosemite Terrace, Stockton. Building.
Owner—Raymond G. Wilkins, Stockton.
Architect—None.
Contractor—F. R. Zinck, 143 Maple St., Stockton.
Dated June 23, 1919. Limit, 75 days. COST, \$3645

EAST ST., bet. Acacia and Poplar Sts. Stockton. Erect factory.
Owner—H. H. Grow, 631 N-Hunter St., Stockton.
Architect—None.
Day's work. COST, \$3500

STANISLAUS ST., bet. Channel and Miner, Stockton. Apartment house.
Owner—A. J. McPhee, 5 California Apartments, Stockton.
Architect—None.
Day's work. COST, \$10,000

MURPHY TRACT, Stockton. Frame building.
Owner—J. Kaufman, 730 A St., Stockton.
Architect—None.
Day's work. COST, \$3820

RED BLUFF, Tehama Co., Cal.—Olmsted & Gillelen, Hollingsworth Bldg., Los Angeles, are preparing plans for a municipal water system for Red Bluff.

NOTICE TO CONTRACTORS.

SEALED proposals for reconstructing the Workman's Bar Bridge, located within the Plumas National Forest, State of California, County of Plumas, will be received by the District Engineer, Bureau of Public Roads, U. S. Department of Agriculture, at 886 Mills Bldg., San Francisco, Cal., until 2:00 P. M. o'clock on the 17th day of July, 1919, at which time and place they will be publicly opened and read. The right is reserved to reject any and all bids, and none will be considered except those from contractors ascertained to be experienced and responsible.

The location is about one-quarter mile from the Workman's Bar siding on the Western Pacific Ry., 50 miles above Oroville, Cal.

The work consists of removing the present bridge and reconstructing, using the existing cables, hangers, saddles, and salvaged hardware. About 20 M. B. M. of sawed lumber, 4 round posts 40 ft. long, and 3700 lbs. of additional hardware will be required, together with 40 cu. yds. of Class "B" Concrete.

The work embraced in this contract shall be completed within 90 weather working days (page 10).

The contract form and the maps, plans, specifications, and estimates of quantities may be examined by responsible contractors at the following addresses:

886 Mills Bldg., San Francisco, Cal.
Forest Supervisor, Quincy, Cal.

All proposals must be made on forms, and in accordance with instructions, forming a part of the specifications above referred to.

B. J. FINCH,
District Engineer.

STREET WORK BIDS WANTED.

SALINAS, Monterey Co., Cal.—Bids will be received by the City Council up to July 14th, 8 P. M., for the following work:

Grading and constructing an oil macadam roadway 20 feet wide on Abbott street from Summer street to Spring and Abbotts' Addition.

Grading that portion of Auburn street from Church to Cayuga streets and constructing a waste rock street surface together with concrete curbs and gutters along both sides of the roadway.

Grading and constructing an oil macadam roadway 20 feet wide on Market street near Vale street.

Grading and constructing an oil macadam roadway 18 feet wide on Cemetery Road from the S end of Abbott street to the NW end of state highway at the city limits.

Grading that portion of Cassidy St. from Central avenue to Archer street, and constructing thereon a waste rock street surface together with concrete curbs and gutters.

Grading the roadway of that portion of Archer street from Capitol street to Cassidy street and constructing thereon a waste rock street surface, together with concrete curbs and gutters.

M. R. Keefe is City Clerk.

STREET WORK BIDS WANTED.

RICHMOND, Contra Costa Co., Cal.—The City Council, A. C. Faris, City Clerk, will receive bids up to 8:30 P.

M., July 7th, for the following work:

That Twenty-fifth, Twenty-sixth and Twenty-eighth streets, between the N and S boundary lines of Richmond Fifth Addition, be paved with cement concrete base, and a wearing surface of asphalt and broken rock; curbs, gutters, sidewalks, and wing walls of cement concrete be constructed and that curbs and gutters of cement concrete be reconstructed on Twenty-fifth street, between Richmond Fifth Addition and Grant Ave.

GOVERNMENT BIDS WANTED. SUPPLIES FOR THE NAVY—Bureau of Supplies and Accounts, Navy Department, Washington, D. C.—Sealed proposals are wanted under schedules as indicated below for furnishing miscellaneous supplies for the Navy. The date of opening is noted at the end of each paragraph.

Schedule 4132, for Brooklyn, Mare Island, and Norfolk, various kinds of pumps, opening July 22.

Schedule 4135, for eastern and western yards, brass voice tubing, opening July 22.

Schedule 4137, eastern & western yards, steel and brass machine screws, opening July 22.

Schedule 4136, eastern & western yards, spur geared and worm geared chain hoists, opening July 15.

Schedule 4152, eastern & western yards, 5,600 sheets non-scatterable glass, opening July 8.

Schedule 4153, Mare Island, galvanized sheet steel, opening July 15.

For further information address the bureau of supplies and accounts, Navy Department, Washington, D. C.

PANAMA CANAL SUPPLY BIDS WANTED.

PANAMA CIRCULAR, 1286—Office General Purchasing Officer, Panama Canal, Washington, D. C.—Sealed bids are wanted until July 9, under circular 1286, for steel, brass, bronze, copper, brass and copper tubing and pipe, bell metal, bearing metal, solder, nails, iron or steel pipe, pipe fittings, vitrified pipe, fire clay, soap, pipe dies, hose, pipe covering, gaskets, oakum, packing, felt, cocoanut fiber, paint brushes, glass, welding gloves, harness, cotton thread, pens, blank books, paper and lumber. For information address above.

BRAWLEY, Imperial Co., Cal.—Until 4:30 P. M., July 7, bids will be received by the trustees of the Brawley School District for completing the school building on Imperial avenue in accordance with plans by Architect Don W. Wells and on file at his office in El Centro. Bids will be taken

separately for cement work, plastering, plumbing, heating, electric wiring, painting and mill work. Certified check for 5% required with each bid. J. A. Sheffield, Clerk.

HIGHWAY CONTRACT SUB-LET.

REDDING, Shasta Co., Cal.—De Waard Bros. have been given a sub-contract for building all the concrete culverts on the Redding-Tower House unit of the Weaverville lateral for \$40,000 by Contractor F. Roland of San Francisco.

BRIDGE CONTRACTS AWARDED.

FRESNO, Fresno Co., Cal.—The County Supervisor have awarded a contract to J. E. Mitchell, 206 Strauther St., Fresno, for reconstructing the swings and flooring of the Herndon bridge on his bid of \$8,960 being the lowest of a number received. At the same meeting the Supervisors awarded the contract for paving the bridge to Huge Crumme, Hearst Bldg., San Francisco, whose bid of \$2249.31, was the lowest. There are 12,235 feet of paving to be done.

SEWER WORK PLANNED.

STOCKTON, San Joaquin Co., Cal.—The City Council has passed a resolution of intention providing for the following work:

That a 6-inch lateral sewer be constructed on East street, from a point 132.6 feet S of the S line of Lafayette street to a point 10.1 feet N of the S line of Hazelton avenue, together with house branches, manholes, "Y" and curved branches.

G. W. Pulich is City Clerk.

OUTLET SEWER BIDS WANTED.

PORTLAND, Ore.—Bids received by the City Council for the construction of the proposed big channel outlet sewer have been rejected and new bids have been ordered received up to June 27. The estimated cost of construction is placed at \$275,000. The low bid submitted on the last call for bids was \$391,700.

SEWER BONDS.

WILLOWS, Glenn Co., Cal.—An election has been called for July 8th to decide the question of issuing and selling bonds of \$40,000 with which to finance construction of a sewer system in parts of Willows not included in the original sewer district. Plans for the work have already been completed.

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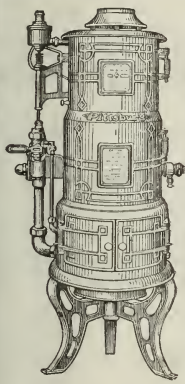
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Published Every Wednesday
Nineteenth Year, No. 28



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Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities
on the Pacific Coast.

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San Francisco, Cal., July 9, 1919

Nineteenth Year, No. 28



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No Ice!

Owing to the advanced cost of materials and labor the subscription price of the Building and Engineering News has been raised to \$4.00 per year, commencing July 1, 1919.

San Francisco Chapter American Association Of Engineers.

The July meeting of the San Francisco Chapter held in the Commercial Club in the Merchants Exchange Bldg. was called to order by President J. H. Knowles at 7:30 P. M., July 2nd.

Correspondence passed between the President and National Headquarters in regard to the appointment of a Western Coast Secretary with headquarters in San Francisco was read and discussion ensued as to what was wanted and what could be gotten from the Executive Board in Chicago. The correspondence indicated that the new Executive Board was not in favor of appointing a Western Secretary at once but wanted to wait until the new president, Dr. F. H. Newell, had made his trip to the Coast some time this summer.

Mr. J. F. Johnston of the membership committee held that what we wanted first was a paid secretary for the local chapter that could devote his whole time to the membership campaign which was the most pressing work at present.

Mr. Wollner took exception to this view and insisted upon a high class man an executive as Western Secretary, a man who could properly represent the Association at any and all occasions, and pay him well. Mr. Benjamin and Mr. Howland agreed with Mr. Wollner that a high class man was wanted. Mr. Wollner further stated that when he was in Chicago and talked the matter over with National Headquarters they had several thousand dollars in the treasury that was not working and that could be used for this purpose.

It was suggested that the present attitude of the Chicago office was due to the fact that since we had made our application Cleveland, St. Louis, New York and Washington had made applications for paid secretaries.

A policy of watchful waiting evidently was not to the liking of the chapter and a vigorous campaign for the Western Secretary was decided upon and a start made by instructing our director, Mr. P. E. Harroun, to get in touch with the executive board and insist upon the immediate appointment of the Secretary, adding that it was the opinion of the meeting that the secretary's office would be self-sustaining in less than a year and that the territory to be covered by the office was considerably larger than either Cleveland or New York.

A communication was read from the joint council of engineering societies which we consider of such importance as to reprint verbatim:

A proposal for the formation of a joint council of Engineering Societies of California.

Organizations made up of representatives of local engineering societies already exist in Los Angeles and San Francisco. At Los Angeles seven societies are represented in the central body which is called the joint committee. In San Francisco five societies have representatives in a "Joint Council," which serves both as a forum and as a clearing house for joint activity.

Organized last fall, the San Francisco Joint Council has as its object "co-operation without amalgamation for the furtherance of common interests of members of the engineering profession in San Francisco and vicinity and for the rendering of public service as opportunity offers." It found many opportunities for service to the engineering profession. Some of these were the establishment of a joint "Service Bureau" for bringing the engineer and the employer together; the development of closer relations among engineers and co-operation in local matters where united action was desirable.

With the application of the idea the scope broadened. Societies represent-

ed in the Joint Council desired to secure the appointment of an engineer to one of the vacancies on the Railroad Commission and to get the legislature to pass a law for licensing engineers. In both these matters the prospect for success was greater if the several San Francisco societies worked together, and an agreement that this would be done was reached through the Joint Council.

In dealing with statewide matters, however, the interests of engineers outside of San Francisco and not represented in its Joint Council were involved. When this difference between these and previous activities of the Joint Council became apparent an effort was made to unify interests in different parts of the state and reach some agreement on the licensing question. This was started too late, however, to be successful at this session of the Legislature, and, rather than allow dissension to appear within the profession, no further effort was made to have the licensing bill passed.

This experience demonstrated the need for an organization of statewide scope, and at the meeting of the San Francisco Joint Council on May 12th, 1919, the following resolution was adopted:

"Whereas the need is apparent for some common forum or central body through which all engineering societies of the State of California may exchange constructive suggestions, foster co-operation, and plan for unity of action to the end that engineers may more effectively serve the public and promote their own welfare. Therefore be it

"Resolved that the Joint Council of Engineering Societies of San Francisco invite all professional engineering organizations of the state to participate in forming a Joint Council of California Engineering Societies, and be it further

"Resolved that a copy of the plan of procedure in forming such a "State Council," as prepared by the Joint Council of Engineering Societies of San Francisco, shall be sent to all professional engineering organizations of the state inviting constructive criticism, and be it further

"Resolved that no final action shall be taken in the matter until a plan of organization has been developed which has the approval of a majority of those engineers in the state who are affiliated with professional engineering organizations."

A committee, consisting of C. D. Marx, Chairman; Edward Higgins, B. S. Drake, C. E. Rogers and E. C. Hutchinson, was then appointed to formulate some plan as proposed in the resolution. This committee, after several meetings, reported to the June 10 meeting of the Joint Council as follows:

Report of the Committee Presented June 10, 1919.

If engineers are to use their influence to advantage through a State Joint Council that body must be representative and it must have authority.

It is therefore recommended that a complete list of California engineering societies be prepared and that to all of them be sent invitations to appoint or elect delegates to a State Council.

Your committee believes that the organization of a State Council could be satisfactorily consummated only by a meeting of its members. It is therefore recommended that when the several societies have selected their representatives, that these should meet to organize and adopt a constitution.

Preliminary Work.

To facilitate progress, the San Francisco Joint Council offers to act as a clearing house for ideas relative to the State Council plan up to the time of the first meeting of that body. To this end all engineering societies of the state are urged to give the matter prompt attention and to send in constructive ideas bearing on the plan. These will be given careful consideration by a committee which, it is hoped, will include representatives of the San Francisco Joint Council and the Los Angeles Joint Committee.

By way of making a beginning, the following are offered as "something to shoot at":

Name.

This Organization shall be known as the Joint Council of Engineering Societies of California.

Object.

The co-operation of engineering societies of California for the furtherance of common interest of members of the engineering profession and for the rendering of public service as opportunity offers.

Representation.

All professional engineering organizations of the state shall be eligible for representation.

The term "professional engineering organizations" is understood to include all engineering societies that have authority to act for their memberships and to exclude those formed for social purposes. Manifestly, the Joint Committee of Los Angeles, the San Francisco Joint Council and other similar bodies are ineligible for representation because the member sections of these joint bodies may have direct representation in the State Council.

Each society represented in the State Council, whether by one or more representatives, shall have a vote equal to the number of active members in that society.

Each "professional engineering organization" may have one representative in the State Council for each 100 members or portion thereof. That is, a society with less than 100 members shall have one representative, a society with more than 100 but less than 200 members shall have two representatives and so on.

Officers.

The officers of the State Council shall consist of chairman, vice-chair-

man, secretary, assistant secretary and treasurer. These five shall constitute the executive committee.

These officers shall be elected annually for a term of one year.

Authority.

The policy shall be to get an expression from the membership of each society as a whole on all important questions whenever this is feasible. Thus State Council representatives will be expected to vote the sentiment of their respective societies on questions which have been sent by mail for general consideration.

On minor matters, however, and on matters in which there is practically no doubt that the interests of a majority of the membership are in common, it is understood that representatives shall be empowered to act without waiting to submit the question to the memberships at large. All action thus taken, however, must be by unanimous vote of the State Council.

Meetings.

There shall be at least one meeting of the State Council each year at which officers shall be elected and general business transacted.

Special meetings may be called at any time by a vote of four executive committee members, or in the absence of one or more executive committee members, the vote of any three members of the State Council shall be the equivalent of the vote of a committeeman.

Finances.

Expenses of the State Council, including traveling expenses of accredited delegates to stated meetings shall be apportioned among all societies on the basis of their active memberships.

It is recognized that this outline is incomplete. It has seemed best not to go too far into detail until there is opportunity for general consideration of the idea. Thus the plan will develop, it is hoped, on the broadest possible scale.

Certain difficulties are foreseen, but none which will be in any way insurmountable, it is believed. For example, it is known that a considerable percentage of engineers in California have no local society affiliations. The remedy for this is not to work out some plan of "representatives at large." It will probably not be possible to provide direct representative for them in the State Council. Rather let us urge our societies to endeavor to enroll these "non-affiliated" engineers. Meantime, State Council representatives, considering themselves as servants of the profession at large, should endeavor to work for the common good regardless of affiliations.

The San Francisco Joint Council asks that upon receipt of this circular you let us know promptly how soon we may expect such comment and suggestions as may be forthcoming from your society. We would also like to have at once the names and addresses of any societies that should be added to the attached list of those to whom this circular is being sent.

NATHAN A. BOWERS,

Secretary-Treasurer.

Joint Council of Engineering Societies of San Francisco.

June 12, 1919.

Preliminary List of Addresses to which "Proposal" is to be forwarded. Suggestions for additions invited. See Paragraph on "Representation" for qualifications.

San Francisco—

Section of A. I. E. E., A. Q. Jones, Rialto Bldg.

Section of Am. Soc. C. E., N. A. Bowers, Rialto Bldg.

Section of Am. Chem. Soc., B. S. Drake, 502 Nevada Bank Bldg.

Section of Am. Soc. M. E., J. A. Kinkead, 16 California St.

Section of Am. Inst. Min. & Met. Eng., W. H. Shockley, 959 Waverly St.

Section of Am. Inst. Radio Engrs., W. W. Hanscom, 848 Clayton St.

Section of Am. Inst. Archts., Warren C. Perry, 604 Mission St.

Section of Am. Assn. Engrs., J. H. Knowles, Ch. Engr., W. P. R. R., So. Pac. Bldg.

Pac. Assn. Consulting Engrs., C. H. Snyder, 251 Kearny St.

Los Angeles—

Section of Am. Soc. C. E., F. G. Desjery, Central Bldg.

Section of Am. Inst. E. E., Carl E. Johnson, 459 E. Third.

Section of Am. Inst. Min. & Met. Eng.

Section of Am. Soc. M. E.

Section of Am. Inst. Archts., H. F. Withey, 621 Exchange Bldg.

Section of Am. Chem. Soc., H. L. Payne, 221 W. First St.

Section of Engrs. & Archts. Assn., H. Z. Osborne, Jr., City Hall.

Sacramento—

Sacramento Engineers' Club, P. M. Norboe, State Dept. of Engineering.

San Diego—

Section of Am. Soc. C. E., Ralph Wueste, Bonita, Cal.

After a short discussion it was decided to accept the invitation and select delegates to the conference.

The secretary read a letter from H. I. Benjamin to the executive board outlining a plan for the formation of a Southern Pacific R. R. Section. Mr. Benjamin then gave a general outline of the proposed section and stated that he had received favorable replies from six of the nine divisions to whom he had written. He also read a letter from Mr. Barnes of the Portland chapter outlining what they are doing with their R. R. Section. Mr. Benjamin announced that application had been made to National Headquarters for a R. R. Section charter and said that by next meeting the organization would be complete and every technical man on the S. P. R. R. system either a member or affiliated with the section.

The meeting then adjourned.

SCHOOL BUILDING BIDS WANTED

RAVENSWOOD, San Mateo Co., Cal.

—Bids will be received by the Board of Trustees of the Ravenswood School District, up to July 18th, 7 P. M., at the residence of Amos A. Davis, Clerk of the District, on Cooley Avenue, Funnymede, Cal., for the erection of one or more school buildings.

The post office address of Davis is Menlo Park, R. F. D., No. 1, Box, 25, Calif.

ADVANCE NEWS

Official Proposals, Etc.

Plans Being Figured.

DWELLING Cost, \$—
YOLANDA COURT, Marin Co., Cal.
Two-story frame dwelling.
Owner—C. G. Stubr.
Architect—Edw. E. Young, 251 Kearny St., San Francisco.

Contract Awarded.

SCHOOL Cost, \$10,000
LAKEVIEW, Oregon.
One-story frame and stucco school (4 class rooms).
Owner—Lake View School District.
Architect—F. J. De Longchamps, Reno, Nevada.
Contractor—I. A. Underwood, Lakeview, Oregon.

Contract Awarded.

COLD STORAGE PLANT
Cost, \$50,000.
WATSONVILLE, Santa Cruz Co., Cal.
Walker and Second Streets.
Frame cold storage plant, 120x200.
Owner—Pajaro Valley Cold Storage Co., Watsonville, Cal.
Architect—Ralph J. Wyckoff, Watsonville, Cal.
Contractor—F. Jordan.

Plans Being Prepared.

BUNGALOWS Cost, \$3500 each
BURLINGAME, San Mateo Co., Cal.
Ten one-story bungalows.
Owner—Withheld.
Architect—Chas. E. J. Rogers, Phelan Bldg., San Francisco.

Plans Being Figured.

STORE BLDG. Cost, \$10,000
SAN FRANCISCO. N Ellis 37 E Jones
One-story brick store building (4 stores).
Owner—Withheld.
Architect—S. Heiman, 57 Post St., San Francisco.

Figures will be taken for a general contract.

Contract Awarded on a Percentage Basis.

CHEESE PLANT. Cost, \$20,000
HOLT, San Joaquin Co., Cal.
Cheese plant.
Owner—Associated Milk Producers.
Architect—Not Given.
Contractor—O. W. Britt, 1115 Scott St., San Francisco.

Preliminary Plans Prepared.

WHOLESALE BLDG. Cost, \$200,000
PHOENIX, Ariz. 4th Avenue and Jackson Street.

Three-story and basement reinforced concrete wholesale building, 150x137.

Owner—The Melczer Wholesale Grocery Co., Louis Melczer, Pres.
Architect—Not Given.

Plans Being Prepared.

SCHOOL Cost, \$18,000
SAN JOAQUIN, Fresno Co., Cal. San Joaquin School District.
Two-room school.
Owner—San Joaquin School District.
Architects—Swartz & Swartz, Rowell Bldg., Fresno.

Plans Being Figured. Bids Close July 15, 1919, 5 P. M.

MASONIC TEMPLE Cost, \$—
BUENA PARK, Orange Co., Cal.
Two-story hollow tile Masonic Temple, 40x85.
Owner—Buena Park Masonic Association. D. W. Hasson, Secretary.
Architect—Frank K. Benchley, Fullerton, Cal.

Plans Being Prepared.

GARAGE Cost, \$12,000
KERMAN, Fresno Co., Cal.
One-story brick garage, 60x130.
Owner—E. F. Huggins, Ford Agent.
Architects—Swartz & Swartz, Rowell Bldg., Fresno.

Plans Being Figured.

STORE BLDG. Cost, \$12,000
SAN FRANCISCO. S Mission Street W of Fourth Street.
One-story and basement reinforced concrete store building.
Owner—Mrs. Mary A. Bryan.
Architect—W. H. Crim, 425 Kearny St., San Francisco.

Plans Being Prepared.

STORE BLDG. Cost, \$40,000
SAN FRANCISCO. S Post Street, bet. Hyde and Larkin Streets.
Owner—Jacob Gietzen.
Architect—W. H. Crim, 425 Kearny St., San Francisco.

Plans Being Figured.

GARAGE Cost, \$12,000
FRESNO, Fresno Co., Cal. South "J" Street.
One-story brick garage, 50x150.
Owner—Darbinian Bros.
Lessee—Chas. Foreman Sales Co., Agents Briscoe Car.
Architect—Edward T. Foulkes, Crocker Bldg., San Francisco.

Plans Being Prepared.

ADDITION Cost, \$—
LONG BEACH, Los Angeles Co., Cal.
Class "A" reinforced concrete addition to Virginia Hotel.
Owner—Seaside Investment Co.
Architect—John C. Austin, 1125 Baker Detwiler Bldg., Los Angeles.

Plans Being Figured.

CEMETERY ENTRANCE Cost, \$—
SAN MATEO CO. Serbian Cemetery Grounds.
Reinforced concrete and stone cemetery entrance.
Owner—First Serbian Benevolent Society, 1034 Golden Gate Ave., San Francisco.
Designer—J. I. Mitrovich, 1034 Golden Gate Ave., San Francisco.

Contract Awarded.

RESIDENCE Cost, \$27,500
LOS ANGELES. Fremont Place.
Two-story and basement frame and plaster residence (11 rooms and 3 bathrooms).
Owner—Col. L. M. Koehler.
Architect & Contractor—Frank L. Meline, 6777 Hollywood Blvd., Los Angeles.

Plans Being Figured.

RESIDENCE Cost, \$—
YOLAND, Marin Co., Cal.
Two-story frame residence and one-story garage.
Owner—Withheld.
Architect—T. Patterson Ross, 310 California St., San Francisco.

Sketches Being Prepared.

WAREHOUSE Cost, \$30,000
SAN FRANCISCO. NW Cor. Second and South Park.
Three-story reinforced concrete warehouse.
Owner—Milton Auerbach.
Architect—Jos. Cahen, 333 Kearny St., San Francisco.
Working drawings will not be started until a tenant has been secured.

Contract Awarded.

SCHOOL Cost, \$50,000
VALLEJO, Cal.
One-story frame school (6 rooms and an auditorium).
Owner—U. S. Housing Corp.
Architect—Geo. W. Kelham, Sharon Bldg., San Francisco.
Contractor—Taylor & Goerick, Sharon Bldg., San Francisco.

Plans Being Figured.
RESIDENCE Cost, \$10,000
SAN JOSE. Near San Jose.
 Two-story frame residence.
 Owner—Withheld.
 Architects—Wolfe & Higgins, Auzeirais
 Bldg., San Jose.
 (27156) 1st report Apr. 30, 1919.

Plans Being Figured.
RESIDENCE Cost, \$12,000
SAN JOSE, Santa Clara Co., Cal.
 South of San Jose.
 Two-story frame residence.
 Owner—Withheld.
 Architect—H. W. Higbee, Porter Bldg.,
 San Jose.

Plans Being Prepared.
GARAGE Cost, \$30,000
SAN FRANCISCO. North Beach Dis-
 trict.
 Two-story reinforced concrete garage.
 Owner—Withheld.
 Architect—P. Righetti, Phelan Bldg.,
 San Francisco.

Bids Opened For Hillsborough School Addition.

SAN FRANCISCO—The following bids were received June 30th by Architect Lewis P. Hobart, Crocker Bldg., San Francisco, for the construction of a one-story frame addition to the Hillsborough School, San Mateo County. Bids were taken under advisement.

R. Caldwell, 152 Ellsworth St., San Mateo, \$14,173.

W. D. Henderson, San Francisco, \$15,948.

Lange & Bergstrom, San Francisco, \$16,125.

Ruegg Bros., San Francisco, \$16,262
 Val Franz, San Francisco, \$18,148.

Plans Being Prepared.
BANK, ETC. Cost, \$100,000
KETCHIKAN, Alaska.

Three-story concrete bank, store and office building (irregular, covering an area of 9,000 sq. ft.)

Owner—Withheld.

Architects—Lawton & Moldenhour, Alaska Bldg., Seattle, Wash.

(Correction. Kind of Building Omitted in Reports of June 30, 1919.)

Plans Being Prepared.
STORE BLDG. Cost, \$40,000
SAN FRANCISCO. S Post Street, bet. Hyde and Larkin Streets.
 One-story reinforced concrete store building.

Owner—Jacob Gietzen.
 Architect—W. H. Crim, 425 Kearny St., San Francisco.

Contractors Taking Sub-Figures.
ALTERATIONS Cost, \$35,000

SANTA BARBARA, Cal. Montecito District.

Alter and add to residence.
 Owner—E. P. Gavit.
 Architects—Reginald D. Johnson and G. B. Kaufman, Associated, 100 E-Colorado St., Pasadena, Cal.
 Contractors—Snook & Kenyon, Santa Barbara, Cal.

Plans Being Prepared. Contract Awarded.
RESIDENCE Cost, \$65,000
PASADENA, Los Angeles Co., South Orange Avenue.
 Hollow tile residence.
 Owner—A. J. Wigmore.

Architects—Reginald D. Johnson and Gordon B. Kaufman, Associated, 100 E-Colorado St., Pasadena, Cal.
 Contractor—Name Withheld.

Plans Being Prepared.
ALTERATIONS Cost, \$—
COLUSA, Colusa Co., Cal. Market St.
 Additions and alterations to present bank building.
 Owner—The Colusa County Bank.
 Architect—J. S. Gould, Colusa, Cal.

July 3, 1919.

SAN FRANCISCO. Howard and 8th.
 One-story brick auto truck building.
 Owner—Withheld.
 Architect—Henry Shermund, Mills Bldg., San Francisco.

Sketches Being Prepared.
GARAGE Cost, \$20,000
MODESTO, Stanislaus Co., Cal.
 One-story brick and concrete garage.
 Owner—Withheld.
 Architects—Reed & Corlett, Oakland Bank of Savings Bldg., Oakland.

Plans Being Prepared.
BANK BLDG. Cost, \$30,000
GUSTINE, Merced Co., Cal.
 One-story reinforced concrete and terra cotta bank building (branch bank).
 Owner—Bank of Newman.

Architects—Reed & Corlett, Oakland Bank of Savings Bldg., Oakland.

Plans Being Prepared.
DWELLINGS Cost, \$3500 each
MELROSE, Alameda Co., Cal.
 Eight frame dwellings.
 Owner—Withheld.
 Architects—Reed & Corlett, Oakland Bank of Savings Bldg., Oakland.

Plans Being Prepared.
RESIDENCE Cost, \$5,000
MANTECA, San Joaquin Co., Cal.
 Two-story frame and plaster residence.
 Owner—Mr. Bell of Manteca.

Architect—Chester H. Miller, New Call Bldg., San Francisco.

Plans Being Figured.
BUNGALOW Cost, \$4,500
STOCKTON, Cal.
 Eight-room bungalow.
 Owner—R. Sinclair.
 Architect—Walter King, New Call Bldg., San Francisco.

Contract Awarded.
RESIDENCE Cost, \$29,000
HILLSBOROUGH, San Mateo Co., Cal.
 Two-story frame residence (plaster exterior.)
 Owner—Frank Schwabacher,
 Architect—Geo. H. Howard & White, Lick Bldg., San Francisco.
 Contractor—W. C. Duncan & Co., Sharon Bldg., San Francisco.

Plans Being Prepared.
SCHOOL Cost, \$18,000
EASTON, San Mateo Co., Cal.
 One-story frame school (4 rooms).
 Owner—Easton School District.
 Architect—E. L. Norberg, 430 Bankers' Investment Bldg., San Francisco.
 Plans will be ready for figures in two or three weeks.

(Correction. Contractor's Name Omitted in Reports of June 27, 1919.)

Contract Awarded.
THEATRE Cost, \$100,000
TURLOCK, Stanislaus Co., Cal. North Broadway.
 Brick and steel theatre, seating capacity 140.
 Owner—A. H. & K. Arakelian.
 Lessee—A. A. Richards.
 Architect—A. W. Cornellus, Merchants Nat'l. Bk. Bldg., San Francisco.
 Contractor—C. A. Tornell & Co., Turlock, Cal.

Revising Plans. Contract to be Awarded Shortly.
BANK BLDG. Cost, \$—
BURLINGAME, San Mateo Co., Cal.
 One-story reinforced concrete store and bank building.
 Owner—Chas. M. Kilbride.
 Architect—E. L. Norberg, 430 Bankers' Invest. Bldg., San Francisco.
 Grace & Bernieri, Claus Spreckels Bldg., submitted the lowest bid and will probably be awarded the contract after a few changes have been made in the plans.

Plans Being Figured.
GARAGE Cost, \$25,000
SAN FRANCISCO. S Mission 175 W Sixth Street.
 One-story and basement reinforced

concrete and brick garage.
Owner—Sierra Investment Co.
Architect—Jos. L. Stewart, Claus
Spreckels Bldg., San Francisco.

PAVING BIDS WANTED.

LOS ANGELES, Cal.—Until 10 A. M., July 14, bids will be received by the Board of Public Works for grading and paving the highway from Lolita to Wilmington and San Pedro in municipal improvement district No. 7, involving 100,166 cu. yds. grading; 477,834 sq. ft. concrete paving; 477,834 sq. ft. protection pavement; 216,095 sq. ft. grading and oiling shoulders, reinforced concrete culverts and bulkheads. Bonds to the amount of \$160,000 have been voted.

SCHOOL BONDS.

FRESNO, Fresno Co., Cal.—Bonds of \$6,000 have been voted in the Lindsay School District and bids for the purchase of same will be received up to July 10th, 2 P. M. Bids are being received by County Clerk D. M. Barnwell of Fresno County.

BIDS OPENED FOR ADMINISTRATION BUILDING AT NAVAL STATION.

SAN DIEGO, Cal.—W. E. Kier Construction Co., San Diego, submitted the lowest bid at \$203,394 for constructing an administration building and walks and roads at the naval air station on North Island, San Diego. The building will be 2 stories, 340x60 feet, and will contain about 70 rooms.

Other bids received were: William Simpson, Los Angeles, \$204,375 and Lang & Bergstrom, San Francisco and San Diego, \$216,427.

PACKING PLANT COSTING \$800,000 PLANNED AT SACRAMENTO.

SACRAMENTO, Cal.—Erection of a four-story concrete building to cost between \$700,000 and \$800,000, is planned by the California Packing Corporation, on the block bounded by P. Q. Second and Front Streets. This was the statement made by Charles Bliss, attorney representing the corporation, to the City Commission.

It is conditioned, however, upon the vacation of the alley in this block, which Bliss says is of no use to anyone else, as it ends against the embankment of the Southern Pacific Railway in the next block. Bliss also asks for permission on the part of the corporation to install another spur on Front Street to connect with the Sacramento Northern Railway. At present the one spur can be shut off by other industries, if they happen to be busy.

Upon motion of Commissioner Gus S. Turner, the matter of the alley was referred to Commissioner of Streets D. W. Carmichael and the spur track to Commissioner of Public Works John Q. Brown.

BIDS WANTED FOR ROAD WORK.

SAN BERNARDINO, Cal.—Until 11 A. M., July 21, bids will be received by the Supervisors of San Bernardino county, R. H. Mack, Clerk, for constructing 2½ miles of concrete roadway 24 ft. wide and 4 in. thick, with cobblestone curbs 24 in. high, full length on both sides. Plans on file at office of County Surveyor. Work will be done under road improvement act of 1907.

HIGHWAY BONDS.

SANTA ROSA, Sonoma Co., Cal.—The County Supervisors have sold the \$1,640,000 county highway bond issue to the Bank of Italy. The premium paid for the bonds was \$39,508.

LOW BIDDER FOR PIER & SHED AT ASTORIA.

ASTORIA, Ore.—The Foundation Co., 58 Sutter St., San Francisco, submitted the lowest bid to the Port of Astoria Commission for the construction of Pier No. 3 and Freight Shed No. 4 at \$815,491.

At the same time bids were opened for 6 steel tanks for which The Astoria Marine Iron Works submitted the lowest bid at \$20,864.

SWIMMING POOL PLANS COMPLETE.

COLUSA, Colusa Co., Cal.—Plans prepared by Architect Edwin J. Symmes, 1700 Pearl St., Alameda, for the proposed municipal swimming pool have been presented to City Engineer Critchfield for approval.

The pool is 45x120 feet, large enough for water polo and other aquatic games. The building is in Mission style. The pool is estimated to cost \$20,000. A bond election will be held July 7th to vote bonds with which to finance construction.

STREET WORK BIDS REJECTED.

RICHMOND, Contra Costa Co., Cal.—The City Council has rejected the bid of Fred Teichert for the improvement of Andrade Boulevard, Lowell avenue and Twenty-ninth street at \$72,791.35, owing to same being \$9,064 higher than bids formerly received for the work.

STREET WORK BIDS WANTED.

STOCKTON, San Joaquin Co., Cal.—Bids will be received by the City

Council, G. W. Pulich, City Clerk, for the following work:

For furnishing the labor and materials necessary for the improvement of Market street, from the west line of Center street to the East line of Commerce street, by grading and paving with bitulithic wearing surface on asphalt concrete base.

STREET AND SEWER WORK PLANNED.

RICHMOND, Contra Costa Co., Cal.—The City Council at its last meeting adopted a resolution providing for the improvement of Eighth street between Chanslor and Ohio streets.

Plans were ordered prepared for the construction of additional sewers in the Brown-Andrade Tract. (28006) 1st report June 11, 1919 and

STREET AND SEWER WORK PLANNED.

PETALUMA, Sonoma Co., Cal.—The Council is contemplating the extension of the "F" street sewer from Third street to the River.

The City Attorney has been instructed by the Council to prepare the necessary ordinance for the issue of \$80,000 in bonds to run 30 years for the improvement of Main and Third streets. The denomination was discussed. The interest is to be paid semi annually.

The Sixth street improvement below "I" street was discussed without action.

BIDS WANTED FOR CONSTRUCTION OF WHARF.

NEWPORT BEACH, Orange Co., Cal.—Until 7:30 P. M., July 14, bids will be received by City Clerk J. Royal Lemon for constructing a public landing at Nineteenth street and the channel in Newport bay and a wharf at Thirtieth street and Newport bay in accordance with plans and specifications on file with the City Engineer, Paul E. Kressley. Certified check for 10% required.

GRADING AND PAVING BIDS WANTED.

NEWPORT BEACH, Orange Co., Cal.—Until 8 P. M., July 14, bids will be received by City Clerk J. Royal Lemon for grading and paving with 5 in. of concrete Twenty-eighth, Thirtieth and Thirty-first streets, between Central avenue and Lafayette avenue. Work will be done under improvement act of 1911. Paul E. Kressley, City Engineer.

CONTRACTS AWARDED

Liens, Acceptances, Etc.

BUILDING CONTRACTS.

San Francisco County.

No.	Owner	Contractor	Amt.
1252	Wannemacher	Diestel	3000
1253	Corp	Bar	1000
1254	Gericke	Gericke	420
1255	Lowry	Becaas	2630
1256	Farragut	Monson	4280
1257	Helbush	Krager	1400
1258	Johnson	Fulton	600
1259	Marston	Fink	450
1260	Markovits	Home	1310
1261	Same	Johnson	4838
1262	McCarthy	Arnott	2050
1263	Same	Same	2050
1264	Hittel	Jones	5000
1265	Helbush	Owner	30000
1266	O'Connor	Owner	13000
1267	O'Connor	Nelson	4000
1268	Roberts	Hayes	8000
1269	Roos	Duncan	1387
1270	S F Savings	Heyer	100000
1271	Sanders	Sanders	22000
1272	Satler	Warden	10000
1273	Stoff	Stoff	50000
1274	Gavin	Gavin	4000
1275	Indep.	Parker	3900
1276	Steeleleckz	Owner	3000
1277	Wesendunk	Greater City	1500
1278	Shea	Greater City	1000
1279	Bemis	Heidt	600
1280	Weeks	Brass	425
1281	Brica	Brica	400
1282	Condon	Johnson	7950
1283	Pope	Pasqualetti	1294
1284	Lowry	Salina	1260
1285	Dollar	Gensler	4650
1286	Summit	Lawson	32500
1287	Same	Marchant	36300
1288	Same	Knowles	13238
1289	Same	Atlas	3900
1290	Same	Turner	4385
1291	Same	Maudrell	3900
1292	Same	Coleman	8758
1293	Same	Pac Roll'g Mill	17500
1294	Same	Otis	6700

ALTERATIONS

(1252) NO. 3072 SEVENTEENTH.
New tar and gravel roof and repair fire damage.
Owner—Robert Wannemacher, 1049 Stanyan, San Francisco.
Architect—None.
Contractor—John Diestel, 248 Russ Bldg., San Francisco.
COST, \$3000

ALTERATIONS

(1253) NO. 43 EDDY. Alter store.
Owner—Gau Corp., Premises.
Architect—Clarence Tantau, Clunie Bldg., San Francisco.
Contractor—Steve Bar.
COST, \$1000

ALTERATIONS

(1254) E TWENTY-FIFTH AVE 275 N Clement. Alter dwelling.
Owner—Julius P. Gericke, 350 25th Ave., San Francisco.
Architect—None.
Day's work.
COST, \$420

(1255) NW MISSION & EMBARCADERO. All work for alterations and

additions to lodging house.
Owner—Nellie M. and Agnes Lowry and Isabel L. Soule, Care J. T. Harmes, 80 Post, S. F.
Architect—Milton Latham, 454 Montgomery, San Francisco.
Contractor—Bernard Becaas, 915 Pacific, San Francisco.
Filed June 30, '19. Dated June 27, '19.
New light courts framed.....\$650
Brown coated 650
Completed and accepted..... 670
Usual 35 days..... 660
TOTAL COST, \$2630

Bond, none. Limit, Aug. 30, 1919. Forfeit, none. Plans and specifications filed.

ADDITION

(1256) CAPITOL & FAXON AVES.
Domestic science and manual training rooms.
Owner—Farragut School, Premises.
Architect—None.
Contractor—O. Monson, 110 Jessie, San Francisco.
COST, \$4280

ALTERATIONS

(1257) NO. 826 MARKET. Alter store.
Owner—H. H. Helbush, Montgomery and Sutter, S. F.
Architect—None.
Contractor—Louis Krager, 743 Gough San Francisco.
COST, \$1400

ALTERATIONS

(1258) NE FRONT AND JACKSON.
Alter store.
Owner—Bertrand Johnson, 616-18 Front, San Francisco.
Architect—None.
Contractor—G. M. Fulton, 301 Front, San Francisco.
COST, \$600

ALTERATIONS

(1259) NO. 244 KEARNY. Alter store.
Owner—F. W. Marston, Premises.
Architect—W. D. Shea, 244 Kearny, San Francisco.
Contractor—Fink & Schindler Co., 228 13th, San Francisco.
COST, \$450

CABINET WORK, ETC.

(1260) NE THIRD AND MISSION.
Cabinet work, glass, glazing, etc., for corner cigar store in building.
Owner—Jack Markovitz, 98 3rd, S. F.
Architect—Alfred H. Jacobs, 110 Sutter St., San Francisco.
Contractor—Home Mfg. Co., 543 Brannan, San Francisco.
Filed July 2, '19. Date July 1, '19.
On completion of work..... ¾
Usual 35 days..... ¾
TOTAL COST, \$1310.95
Bond, none. Limit, 10 days after notified. Forfeit, none. Plans and specifications filed.

(1261) ALL WORK EXCEPT CABINET work, glass and glazing, etc., on above.

Contractor—J. Harold Johnson, 180 Jessie, San Francisco.
Filed July 2, '19. Dated July 1, '19.
Usual 35 days.....\$4838

TOTAL COST, \$4838
Bond, none. Limit, July 28. Forfeit, none. Plans and specifications filed.

DWELLING

(1262) W PLYMOUTH 150 N Grafton being Lot 48 Blk 8 Lakeview. All work for one and one-half-story frame dwelling.
Owner—The McCarthy Co., 316 Bush, San Francisco.
Plans by Contractor.
Contractor—Jas. Arnott & Son, 2223 19th Ave., San Francisco.
Filed July 2, '19. Dated May 12, '19.
Frame up 25%
Brown coated 25%
Completed 25%
Usual 35 days..... 25%
TOTAL COST, \$2050

Bond, none. Limit, 90 days. Forfeit, plans and specifications, none.

DWELLING

(1263) W PLYMOUTH 325 N Grafton being Lot 41 Blk 8, Lakeview. All work for one and one-half-story frame dwelling.
Owner—The McCarthy Co., 316 Bush, San Francisco.
Plans by Contractor.
Contractor—Jas. Arnott & Son, 2223 19th Ave., San Francisco.
Filed July 2, '19. Dated May 12, '19.
Frame up 25%
Brown coated 25%
Completed 25%
Usual 35 days..... 25%
TOTAL COST, \$2050
Bond, none. Limit, 90 days. Forfeit, plans and specifications, none.

STORE HOUSE

(1264) COLUMBIA AVE 187-6 N Harrison. One-story and mezzanine floor store house.
Owner—F. T. Hittel, 808 Turk, S. F.
Architect—None.
Contractor—E. N. Jones, 1st National Bank Bldg., San Francisco.
COST, \$5000

APARTMENTS

(1265) SW EUCLID AND PALM Aves. Three-story frame apartments.
Owner—H. H. Helbush, 75 Sutter St., San Francisco.
Architect—Edw. E. Young, 251 Kearny, San Francisco.
Day's work.
COST, \$30,000

ALTERATIONS

(1266) S POST 140 W Kearny. Alter store.
Owner—O'Connor Moffatt & Co., Prem Constr. Manager—Frederick Whitton, 369 Pine, San Francisco.
Day's work.
COST, \$13,000

RESIDENCE

(1267) E FIFTEENTH AVE 375 N Fulton. Two-story frame residence.

Owner—Thos. H. O'Connor, 355 14th Ave., San Francisco.
 Architect—None.
 Contractor—N. J. Nelson, 364 20th Ave., San Francisco.
 COST, \$1000

PACKING PLANT

(1268) NW BRYANT & CONVERSE.
 One-story brick packing plant.
 Owner—G. H. Roberts, 136 5th, S. F.
 Architect—S. Heiman, 57 Post, S. F.
 Contractor—Hayes-Oser Co., 424 Call Bldg., San Francisco.
 COST, \$8000

ALTERATIONS

(1269) NO. 3600 JACKSON. Alter for new dressing room.
 Owner—Leon S. Roos, Premises.
 Architect—Wm. L. Maybeck, Russ Bldg., San Francisco.
 Contractor—W. C. Duncan & Co., 205 Sharon Bldg., San Francisco.
 COST, \$1387

CLASS "A" BANK BLDG.

(1270) E MISSION 35 S 25th. One-story Class "A" bank building.
 Owner—S. F. Savings & Loan Society, 526 California, S. F.
 Architect—Herbert A. Schmidt, 45 Kearny, San Francisco.
 Contractor—Chas. W. Heyer Jr., Dalziel Bldg., Oakland.
 COST, \$100,000

ALTERATIONS

(1271) W POLK 65 N of NW Cor. Polk and Washington. Alter stores and apartments.
 Owner—G. H. Sanders, 2822 Piedmont Ave., Berkeley.
 Architect—Geo. A. Applegarth, 1800 Claus Spreckels Bldg., S. F.
 Day's work. COST, \$22,000

FRAME RESIDENCE

(1272) SW TWENTY-NINTH AVE & Geary. Two-story frame residence.
 Owner—Mrs. Anna Sattler, 278 Fifth Ave., San Francisco.
 Architect—None.
 Contractor—Fred Warden, 354 Sussex San Francisco.
 COST, \$10,000

APARTMENTS

(1273) W HYDE 57-6 S Bush. One-story brick apartment house.
 Owner—Louis D. Stoff, 830 Sutter, San Francisco.
 Architect—Albert Schroeffer, Nevada Bank Bldg., San Francisco.
 Day's work. COST, \$50,000

ALTERATIONS

(1274) NE COLE AND FREDERICK. Alter residence.
 Owner—E. A. Gavin, 1849 Page, S. F.
 Architect—None.
 Day's work. COST, \$4000

ADDITION

(1275) NO. 650 SEVENTH (rear). Add shed and bridge.
 Owner—Independent Paper Stock Co., Premises.
 Architect—Leland S. Rosener, 721 Insurance Exchange Bldg., S. F.
 Contractor—K. E. Parker Co., 515 Clunie Bldg., S. F.
 COST, \$3900

ALTERATIONS

(1276) NW FIFTH AND SHIPLEY. Alter flats.
 Owner—Mrs. Adolph H. Stezeleckz, 328 5th, San Francisco.

Architect—J. C. Hladik, Monadnock Bldg., San Francisco.
 Day's work. COST, \$3000

ALTERATIONS

(1277) NO. 481 MADRID. Alter dwelling.
 Owner—A. Wesendunk, Premises.
 Architect—None.
 Contractor—Greater City Lumber Co., 3123 Mission, San Francisco.
 COST, \$1500

ALTERATIONS

(1278) NO. 77 GLADYS. Alter and add two rooms to residence.
 Owner—James Shea, Premises.
 Architect—None.
 Contractor—Greater City Lumber Co., 3123 Mission, San Francisco.
 COST, \$1000

ALTERATIONS

(1279) NO. 1000 SANSOME. Alter factory.
 Owner—Bemis Bros. Bag Co., Prem.
 Architect—None.
 Contractor—Heidt Cornice Co.
 COST, \$600

ALTERATIONS

(1280) NO. 414 GEARY. Alter store.
 Owner—W. H. Weeks, Premises.
 Architect—W. H. Weeks, 75 Post, S. F.
 Contractor—Brass & Kuhn Co., 1916 Bryant, San Francisco.
 COST, \$425

ALTERATIONS

(1281) NO. 1330 FOURTH AVE. Alter dwelling.
 Owner—Dr. C. A. Bricea, Premises.
 Architect—None.
 Day's work. COST, \$400

BUNGALOWS

(1282) E CHURCH 125 S 29th. All work except fixtures, shades and wall paper for two one-story and basement frame bungalows.
 Owner—A. W. Condon
 Architects—Rousseau & Rousseau, 110 Sutter, San Francisco.
 Contractor—Joel Johnson, 110 Jessie, San Francisco.
 Filed July 3, '19. Dated July 3, '19.
 Framed & ready for roofing. \$1987.50
 Brown coated. 1987.50
 Completed and accepted. 1987.50
 Usual 35 days. 1987.50
 TOTAL COST, \$7950.00
 Bond, none. Limit, 65 days after July 7. Forfeit, none. Plans and specifications filed.

ALTERATIONS, ETC.

(1283) NW GOLDEN GATE AVE & Jones W 137-6xN 137-6. All work for concrete vault and alterations to store in building.
 Owner—Pope Estate Co., 1918 Kohl Bldg., San Francisco.
 Architect—Henry H. Meyers, Kohl Bldg., San Francisco.
 Contractor—J. Pasqualetti, 785 Market, San Francisco.
 Filed July 3, '19. Dated June 26, '19.
 Completed and accepted. \$970.50
 36 days after. 323.50
 TOTAL COST, \$1294.00
 Bond, \$647. Surety, Maryland Casualty Co. Limit, 30 days. Forfeit, none. Plans and specifications filed.

BASINS, DRAINS, ETC.

(1284) NW MISSION AND EMBARCADERO. All work for 3 basins, 3 deck drains, install hot water circulating system, etc., in building.

Owner—Nellie M. and Agnes Lowry and Isabel L. Soule, Care J. T. Harnes, 80 Post, San Francisco.
 Architect—Milton Latham, 454 Montgomery, San Francisco.
 Contractor—Salina & Sabaco.
 Filed July 3, '19. Dated June 25, '19.
 Piping and drains roughed in. \$470
 Completed and accepted. 470
 Usual 35 days. 320
 TOTAL COST, \$1260
 Bond, none. Limit, Aug. 15, 1919. Forfeit, plans and specifications, none.

ELECTRICAL WORK

(1285) SW CALIFORNIA AND BATTERY. Electrical work for five-story and roof additions to building.
 Owner—The Robert Dollar Co., by Dinwiddie Constr. Co., Crocker Bldg., San Francisco.
 Architect—Chas. W. McCall, Central Bank Bldg., Oakland.
 Sub-Contractor—J. Gensler (as Electrical Contr. Co.), 604 Mission, San Francisco.
 Filed July 3, '19. Dated June 19, '19.
 TOTAL COST, \$4650
 Bond, none. Limit, 10 days. Forfeit, \$90. Plans and specifications, none.

(1286) E HYDE 56-6 N Greenwich N 56x E 56. Excavation, foundation and concrete work for eight-story Class "A" apartment house.
 Owner—Summit Co., Corp., 310 California, San Francisco.
 Architect—T. Paterson Ross, 310 California, San Francisco.
 Contractor—A. W. Lawson, 180 Jessie, San Francisco.
 Filed July 3, '19. Dated June 10, '19.
 On 1st of each month. 75%
 Usual 35 days. \$8125
 TOTAL COST, \$32,500
 Bond, \$16,250. Surety, Globe Indemnity Co. Limit, 120 days. Forfeit, \$40
 Plans and specifications filed.

(1287) CARPENTER WORK ON above.

Contractor—C. T. Merchant, 180 Jessie San Francisco.
 Filed July 3, '19. Dated June 10, '19.
 On 1st of each month. 75%
 Usual 35 days. \$9075
 TOTAL COST, \$36,300
 Bond, \$18,150. Sureties, Thos. E. Shumate and Jno. C. McCaughern. Limit, 100 days. Forfeit, \$40. Plans and specifications filed.

(1288) FURRING, LATHING AND plaster on above.

Contractor—A. Knowles, Call Bldg., San Francisco.
 Filed July 3, '19. Dated June 10, '19.
 On 1st of each month. 75%
 Usual 35 days. \$3310
 TOTAL COST, \$13,238
 Bond, \$6625. Surety, Massachusetts Bonding & Insurance Co. Limit, 90 days. Forfeit, \$40. Plans and specifications filed.

(1289) STEAM HEATING. HOT water tank and heater and oil burning equipment on above.

Contractor—Atlas Heating & Ventilating Co., 72 Freelon, S. F.
 Filed July 3, '19. Dated June 10, '19.
 On 1st of each month. 75%
 Usual 35 days. \$975
 TOTAL COST, \$3900
 Bond, \$1950. Sureties, Jas. Cantley and J. S. Malloch. Limit, 30 days after notified. Forfeit, \$10. Plans and specifications filed.

(1290) ELECTRICAL WORK ON above.
Contractor—The Turner Co., 272 Natoma, San Francisco.
Filed July 3, '19. Dated June 10, '19.
On 1st of each month..... 75%
Usual 35 days.....\$871.25
TOTAL COST, \$3485.00
Bond, \$1750. Surety, Globe Indemnity Co., Limit, 100 days after notified.
Forfeit, \$10. Plans and specifications filed.

(1291) PAINTING ON ABOVE.
Contractor—H. Maundrell, 1511 Haight San Francisco.
Filed July 3, '19. Dated June 10, '19.
On 1st of each month..... 75%
Usual 35 days.....\$

TOTAL COST, \$3900
Bond, \$1950. Surety, The Fidelity & Deposit Co. of Maryland. Limit, 90 days after notified. Forfeit, \$20. Plans and specifications filed.

(1292) PLUMBING, GAS FITTING and sewerage on above.
Contractor—Alexander Coleman, 706 Ellis, San Francisco.
Filed July 3, '19. Dated June 10, '19.
On 1st of each month..... 75%
Usual 35 days.....\$2190
TOTAL COST, \$8758

Bond, \$4380. Sureties, Jno. W. Proctor and Mary Varni. Limit, 100 days. Forfeit, \$10. Plans and specifications filed.

(1293) STEEL WORK ON ABOVE.
Contractor—Pacific Rolling Mill Co., 17th & Mississippi, San Francisco.
Filed July 3, '19. Dated June 10, '19.
On 1st of each month..... 75%
Usual 35 days.....\$4375
TOTAL COST, \$17,500

Bond, \$8750. Sureties, Lisa Seller and H. F. Hedrich. Limit, 150 days after notified. Forfeit, \$40. Plans and specifications filed.

(1294) ONE ELECTRIC PASSENGER and one freight elevator on above.
Contractor—Otis Elevator Co., Beach and Stockton, San Francisco.
Filed July 3, '19. Dated June 10, '19.
On shipment of engine..... $\frac{3}{4}$
Engine installed..... $\frac{1}{4}$
Completed..... $\frac{1}{4}$
TOTAL COST, \$6700

Bond, none. Limit, 8 weeks. Forfeit, none. Plans and specifications filed.

COMPLETION NOTICES.

San Francisco County.

RECORDED	ACCEPTED
June 30, 1919—S CLAY 100 E Leavenworth E 55xS 114. Edith M Stidger to Oliver Duval & Son.....	June 27, 1919
June 30, 1919—N TARAVAL 82-6 E 22nd Ave E 25xN 100. Louis Johnson to whom it may concern.....	June 30, 1919
June 30, 1919—E MONTGOMERY 117 S Union 20x91-10. F Briano to P C Amaroso.....	June 28, 1919
June 30, 1919—E THIRTY-THIRD Ave 150 S TaraVal S 100xE 120. Parkside Realty Co to Nelson Bros.....	June 28, 1919
July 2, 1919—N EIGHTEENTH 200 W Sanchez W 25xS 114. Victor Bjors to whom it may concern.....	July 2, 1919
July 2, 1919—NE NINETEENTH &	

Howard 120x122-6. Old Homestead Bakery to Dillon Teaming Co.....

June 24, 1919
July 3, 1919—E TWENTY-SECOND Ave 125 N Balboa N 25xE 125. Joseph Kirby to whom it may concern..... July 3, 1919
July 3, 1919—E TWENTY-FIRST Ave 125 S Balboa S 25xE 125. Joseph Kirby to whom it may concern..... July 3, 1919
July 3, 1919—E FIFTEENTH AVE 264 N Balboa N 24xE 120. E A Janssen to whom it may concern..... July 2, 1919

LIENS FILED.

San Francisco County.

June 30, 1919—S TURK 109 E Van Ness Ave E 27-6xS 120. William Helbing vs T C Van Ness Jr.....\$200
June 28, 1919—N GROVE 167-6 W Webster W 37xN 137-6. Adam Arras vs A W Morgan and J J Bell.....\$180

LEASE.

San Francisco County.

July 2, 1919—NE FRANKLIN AND Locust bet. Golden Gate Ave and McAllister. O'Brien & Kiernan Realty Co to Morris L Handschur and Harsh Brill. 4 years 11 months \$7375.
July 2, 1919—NO. 1051 POST. Robt. Green to Harriette L Spencer. 5 years. \$400 per month.
July 3, 1919—S McALLISTER bet. Gough and Octavia N. O. 655 McAllister. Marie Murphy to M S White. 2 years. \$1200.
July 3, 1919—S PRECITA Ave 155 E Folsom E 25xS 100. Henrietta Lille to August M and Minnie M Smith. 60 months, \$30 per month.

NOTICE OF NON-RESPONSIBILITY.

San Francisco County.

July 3, 1919—ARONSON BLDG having a frontage of 85 ft. on Third and 107 ft on Mission. A Aronson as to improvements on leased property

GOVERNMENT TO CALL BIDS SHORTLY FOR HANGARS.

SAN DIEGO, Cal.—Calls for bids will be issued soon for constructing two dirigible hangars and four concrete seaplane hangars for the naval air school on North Island. A 130-ft. steel meteorological tower will also be erected on the administration building at the air school.

Street Work Contract Awarded.

MODESTO, Stanislaus Co., Cal.—The Standard Paving Co., Call Bldg., San Francisco, has been awarded the contract by the City Council for paving "H" street from Fifteenth to the county hospital and Grand avenue from Fourteenth and "B" streets to Dry Creek bridge at 17½ cents per square foot.

BUILDING CONTRACTS

Alameda County.

The following is an index for the contracts for this issue:

No.	Owner	Contractor	Am't.
1344	Kurts	Kurts	7000
1345	Gibson	Wallace	3000
1346	Farrier	Farrier	2500
1347	Jones	Shrader	1594
1348	Monis	Monis	900
1349	Carpenter	Estey	3684
1350	Carlson	Peterson	4000
1351	Hamilton	Sims	3300
1352	Tyler	Sharp	2800
1353	Barnes	Barnes	2000
1354	Pearce	Pearce	2000
1355	Smith	Langtry	700
1356	Engs	Engs	400
1357	Long	Sheridan	3250
1358	Long	Sheridan	3250
1359	Roger	Hunnewell	3000
1360	Pierce	Pierce	900
1461	Chase	Plaff	485
1362	Mohr	Mohr	2000
1363	Atkins	Atkins	25000
1364	Chevrolet	McGillvray	9983
1365	Same	Drucker	5200
1366	Same	Munson	2700
1367	Way	Hopper	3500
1368	Fly	Fly	2500
1369	Harber	Nelson	2400
1370	Derby	Lydixsen	1500
1371	Cameron	Cameron	1000
1372	Bkly. Devp.	Mason	8000
1373	Boyd	Dildine	4000
1374	Hillier	Jones	3000
1375	Hillier	Jones	3000
1376	Wingate	Wingate	6000
1377	Gwin	Westlund	400
1378	Stehman	Schwalm	10640
1379	Greater City Libr.	Vezey	2382

DWELLING

(1344) E CARLETON 200 N Broadway Terrace, Oakland. Two-story 8-room dwelling.
Owner—F. A. Kurts, 3518 Grove St., Oakland.
Architect—Julia Morgan, Merchants' Exchange Bldg., S. F.
Day's work. COST, \$7000

(1345) E LINWOOD AVE 140 N E-38th, Oakland. One-story 6-room dwelling.
Owner—R. N. Gibson, Federal Bldg., Oakland.
Architect—None.
Contractor—Wallace Bros., Oakland.
COST, \$3000

(1346) LEONA HEIGHTS, Hotel Grounds, Oakland. One-story 5-room dwelling.
Owner—V. A. Farreir, Leona Heights, Oakland.
Architect—None.
Day's work. COST, \$2500

FIRE REPAIRS
(1347) NO. 4101 PIEDMONT AVE., Oakland. Fire repairs.
Owner—R. Jones, Premises.
Architect—None.
Contractor—J. F. Shrader, 520 16th, Oakland.
COST, \$1594

ALTERATIONS
(1348) N E-NINTH 200 W 29th Ave., Oakland. Alterations.
Owner—C. G. Nonis, 2845 E-10th, Oakland.
Architect—None.
Day's work. COST, \$900

FRAME DWELLING

(1349) S PRINCE 560.23 W Claremont Ave W 40xS 110, Berkeley. All work for one-story and attic frame dwelling.

Owner—Mrs. A. A. Carpenter.
Architect—None.
Contractor—G. F. Estey, 1815 Hearst Ave., Berkeley.

Filed June 30, '19. Dated June 17, '19.
Frame up 1/4
Plastered 1/4
Completed and accepted 1/4
Usual 35 days 1/4

TOTAL COST, \$3684

Bond, \$1842. Surety, National Surety Co. Limit, 60 days after June 17. Forfeit, none. Plans and specifications filed.

DWELLING

(1350) E WESLEY AVE 300 N Excelsior Blvd., Oakland. One and one-half-story 6-room dwelling.

Owner—Mrs. Elizabeth Carlson, 500 Van Ness Ave., San Francisco.
Architect—None.
Contractor—Alfred Peterson, 3918 Linwood Ave., Oakland.

COST, \$4000

DWELLING

(1351) E FORTIETH AVE 60 S Carlington, Oakland. One and one-half-story 6-room dwelling.

Owner—E. V. Hamilton, 4022 Auga Vista, Oakland.
Architect—None.
Contractor—Wm. H. Sims, 1926 64th Ave., Oakland.

COST, \$3300

DWELLING

(1352) S HAMPEL 50 W Linwood, Oakland. One-story 5-room dwlg.

Owner—Mrs. M. C. Tyler, 3945 Division, Oakland.
Architect—None.
Contractor—A. C. Sharp, 3260 Kansas Oakland.

COST, \$2800

DWELLING

(1353) S SEMINARY AVE Lots 3 & 4 Blk "B," Oakland. One and one-half-story 6-room dwelling.

Owner—Jess E. Barnes, 2607 Seminary Ave., Oakland.
Architect—None.
Day's work.

COST, \$2000

DWELLING

(1354) E AUSEON 220 N Birch, Oakland. One-story 5-room dwelling.

Owner—J. E. Pearce, 6932 Lockwood, Oakland.
Architect—None.
Day's work.

COST, \$2000

ALTERATIONS

(1355) NO. 178 SIXTH, Oakland. Alterations.

Owner—Mrs. Annie Smith, 158 5th, Oakland.
Architect—None.
Contractor—R. Langtry, 1071 12th, Oakland.

COST, \$700

FIRE REPAIRS

(1356) NW TWELFTH & FILBERT, Oakland. Fire repairs.

Owner—G. N. Engs, 1207 12th, Okd.
Architect—None.
Day's work.

COST, \$400

DWELLING

(1357) N HOPKINS 70 E Napa, Ber-

keley. One-story 6-room dwelling.
Owner—Roy O. Long, Elks' Club, Berkeley.

Architect—None.
Contractor—H. P. Sheridan, 2815 Grove, Berkeley.

COST, \$3250

DWELLING

(1358) S BEVERLY PLACE 231 W Hopkins, Berkeley. One-story 6-room dwelling.

Owner—Roy O. Long, Elks' Club, Bkly
Architect—None.
Contractor—H. P. Sheridan, 2815 Grove, Berkeley.

COST, \$3250

DWELLING

(1359) W BONITA AVE 80 S Berryman, Berkeley. One-story 5-room dwelling.

Owner—Louise Berryman Roger, 1308 Bonita Ave., Berkeley.
Architect—None.
Contractor—Willey Hunnewell, 1345 Hopkins, Berkeley.

COST, \$3000

GARAGE

(1360) NO. 2531 RIDGE ROAD, Berkeley. Garage.

Owner—J. M. Pierce, Cloyne Court, Berkeley.
Architect—None.
Day's work.

COST, \$900

REPAIRS

(1361) NO. 1448 SHATTUCK AVE., Berkeley. Repairs.

Owner—J. Chase, Bonita and Hearst Aves., Berkeley.
Architect—None.
Contractor—F. E. Pfaff, 1625 Grant, Berkeley.

COST, \$485

RESIDENCE

(1362) MANOR DRIVE, Piedmont. One and one-half-story frame residence and garage.

Owner—G. Mohr, 1810 Shattuck Ave., Berkeley.
Architect—None.
Day's work.

COST, \$3000

DWELLING

(1363) GLEN ALPINE ROAD, Piedmont. Two-story frame dwelling.

Owner—J. H. Atkins, 550 Sutter St., San Francisco and 776 Kingston, Oakland.
Architect—None.
Day's work.

COST, \$25,000

GRANITE WORK

(1364) FOOTHILL BLVD. HILLSIDE St., 72nd Ave., 69th Ave and Garfield St., Oakland. Granite work for two-story and basement Class "A" office building.

Owner—Chevrolet Motor Co., of California, through Agent P. J. Walker Co., Mondanock Bldg., San Francisco.
Architect—George W. Kelham, Sharon Bldg., San Francisco.
Contractor—The McGilvray-Raymond Granite Co., 634 Townsend St., San Francisco.

Filed July 2, '19. Dated May 2, '19.
Monthly payments of 75%
36 days after 25%

TOTAL COST, \$9983

Bond, \$4992. Sureties, R. Dewar and Chas. E. Tallmadge. Limit, as soon as possible. Forfeit, none. Plans and specifications filed.

(1365) HIGH PRESSURE STEAM system for factory buildings on above.

Engineer—Hunter & Hudson, Rialto Bldg., San Francisco.
Contractor—J. C. James & C. Drucker (as James & Drucker), 1036 Polk, San Francisco.

Filed July 2, '19. Dated June 5, '19.
Payments same as above.

TOTAL COST, \$5200

Bond, \$2600. Surety, New Amsterdam Casualty Co. Limit, as soon as possible. Forfeit, none. Plans and specifications filed.

(1366) FURRING AND LATHING for office building on above.

Contractor—C. O. Munson, 625 3d Ave. San Francisco.
Filed July 2, '19. Dated June 11, '19.
Payments same as above.

TOTAL COST, \$2700

Bond, \$1350. Surety, Hartford Accident & Indemnity Co. Limit, 30 days. Forfeit, none. Plans and specifications filed.

DWELLING

(1367) S ARKANSAS 160 W Curran Ave., Oakland. One-story 6-room dwelling.

Owner—L. D. Way, 41 Lerida Ave., Oakland.
Architect—None.
Contractor—M. E. Hopper & Son, 90 Glen Ave., Oakland.

COST, \$3500

DWELLING

(1368) N QUIGLEY 120 W High, Oakland. One-story 5-room dwelling.

Owner—J. M. Fly & Co., 2225 Dana, Berkeley.
Architect—None.
Day's work.

COST, \$2500

DWELLING

(1369) E NINETY-FIRST AVE 285 S E-14th, Oakland. One-story 4-room dwelling.

Owner—Albert E. Harber.
Architect—None.
Contractor—Chris. J. Nelson, 920 Clay Oakland.

COST, \$2400

ALTERATIONS

(1370) S E-FOURTEENTH 100 W Fruitvale Ave., Oakland. Alterations.

Owner—Derby Estate Co., 822 Mills Bldg., San Francisco.
Architect—None.
Contractor—Geo. H. Lydiksens, 1244 29th Ave., Oakland.

COST, \$1500

ADDITION

(1371) NO. 5619 DOVER, Oakland. Addition.

Owner—H. C. Cameron, Premises.
Architect—None.
Day's work.

COST, \$1000

DWELLINGS

(1372) S LOS ANGELES AVE 360 & 410 E The Alameda, Berkeley. Two two-story 6-room dwellings.

Owner—Berkeley Development Co., Shattuck & Addison, Berkeley.
Architect—None.
Contractor—Mason McDuffie Co., Shattuck and Addison, Berkeley.

COST, \$4000 each

DWELLING

(1373) E HILLEGASS 60 S Ashby Ave., Berkeley. One and one-half-story 6-room dwelling.
Owner—P. O. Boyd, Hotel Oakland.
Architect—H. E. Forward, 103 Walsworth Ave., Oakland.
Contractor—Verne Dildine, 6243 College Ave., Oakland.

COST, \$4000

DWELLING

(1374) S SONOMA 336 W Joseph, Berkeley. One-story 6-room dwlg.
Owner—H. F. Hiller, 2100 Shattuck Ave., Berkeley.
Architect—None.
Contractor—A. M. Jones, 2100 Shattuck Ave., Berkeley.

COST, \$3000

DWELLING

(1375) W THE ALAMEDA 254 N Marin, Berkeley. One-story 6-room dwelling.
Owner—H. F. Hiller, 2100 Shattuck Ave., Berkeley.
Architect—None.
Contractor—A. M. Jones, 2100 Shattuck Ave., Berkeley.

COST, \$3000

DWELLINGS

(1376) S CARLTON 107 and 137 E Shattuck Ave., Berkeley. Two one-story 5-room dwellings.
Owner—Donald P. Wingate, 2330 Carlton, Berkeley.
Architect—None.
Day's work.

COST, \$3000 each

GARAGE

(1377) NO. 1016 MARIPOSA AVE., Berkeley. Garage.
Owner—W. H. Gwin, 1014 Mariposa Ave., Berkeley.
Architect—None.
Contractor—Fred J. Westlund, 2207 10th Ave., Oakland.

COST, \$400

(1378) NE WALAVISTA & ARIMO Aves being Lot 7 Blk 1, East Piedmont Heights Extension, Oakland. All work for two-story frame dwlg.
Owner—Nettie M. Stinemar, 600 Van Buren, Oakland.

Architect—Julia Morgan, Merchants' Exchange Bldg., San Francisco.
Contractor—Harry Schwalm, 721 Main St., Hayward.

Filed July 3, '19. Dated July 1, '19.
3rd day of each month..... 75%
Usual 35 days..... 25%

TOTAL COST, \$10,640
Bond, \$5300. Sureties, Frank G. Chess and Mary E. Zinn. Limit, as soon as possible. Forfeit, none. Plans and specifications filed.

DWELLING

(1379) E WALLACE 110 N Oregon, Berkeley. All work for one-story 4-room dwelling.
Owner—Greater City Lumber Co., 3111 Mission St., San Francisco.
Architect—R. A. Hutchinson, Syndicate Bldg., Oakland.
Contractor—Charley D. Vezey, Plaza Bldg., Oakland.

Filed July 3, '19. Dated June 13, '19.
Frame up 1/4
Plastered 1/4
Completed and accepted 1/4
Usual 35 days 1/4

TOTAL COST, \$2382
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

COMPLETION NOTICES.

Alameda County.

Recorded Accepted
June 26, 1919—SE MARKET AND
Fifth; No. 875 Market. Louis
Samuels to Mullen Mfg Co.....

June 20, 1919
June 26, 1919—NE FULTON AND
16th Ave E 72-6xN 75. Margaretha
J Koening to whom it may concern

June 27, 1919—(1) Lots 33 and 34
Blk 8; (2) Lots 35 and 36 Blk 8;
(3) Lots 37 and 38 Blk 8; (4) Lots
39 and 40 Blk 8, Map Auseon's
Moss Tract, Okd. R J Pavert to
whom it may concern..... June 26, 1919

ALAMEDA LIENS FILED

June 25, 1919—W SAN PABLO AVE
100 S Page S 100xW 100, Bkly. J
Peterson vs R Jacuzzi, Giocondo
Jacuzzi, G Jacuzzi and F Jacuzzi
.....\$213.33

BUILDING CONTRACTS.

Fresno County.

FRAME DWELLINGS

LUCERNE TRACT, Lot 4 Blk 16,
Fresno. Two frame dwellings and
garages.

Owner—D. A. Olsen, 1033 Mildreda
St., Fresno.

Architect—None.
Contractor—C. Shmuelson, 232 Yo-
semite St., Fresno.

COST, \$3400 each

DWELLING
LOT "D" BLK 2, Alta Vista Tract,
Fresno. Frame dwelling and gar-
age.

Owner—J. H. Looney, 309 Valeria St.,
Fresno.

Architect—None.
Day's work.

COST, \$8800

DWELLING

LOT 12 BLK 5, Alta Vista Tract,
Fresno. Dwelling and garage.
Owner—Mrs. J. A. Reiss, 2607 Mc-
Kenzie St., Fresno.

Architect—None.
Contractor—Yarnell & Garges, 2327
White St., Fresno.

COST, \$4500

DWELLING

LOTS 13, 14 AND 15 BLK 4, Palm
Villa Tract, Fresno. Dwelling and
garage.

Owner—Fresno Home Bldg. Co., 923
Santa Fe, Fresno.

Architect—None.
Contractor—F. J. Stone, 304 Mason
Bldg., San Francisco.

COST, \$4500

STORE, ETC.

LOTS 1 to 4 BLK 17, Fresno. Store
and oven.

Owner—P. Pagano, 3362 Illinois St.,
Fresno.

Architect—None.

Day's work.

COST, \$1500

COMPLETION NOTICES.

Fresno County.

Recorded Accepted
June 28, 1919—LOT 44 except S 20 ft

Butler Park, Fresno. Nick Davis
to whom it may concern.....

June 26, 1919

FRESNO BUILDING TOTALS FOR JUNE.

The following is a report of the
building operations for the month of
June, 1919, for the City of Fresno:
New Buildings, \$269,740; No. Per-
mits, 63; Total for Year, \$1,125,247.
Alterations and Repairs, \$16,932;
No. Permits, 45; Total for Year, \$131,-
982.

COMPLETION NOTICES.

Santa Clara County.

Recorded Accepted
June 30, 1919—SAN JOSE. F O
Nelson to whom it may concern

June 30, 1919
July 2, 1919—NW ALOHA AVE &
Saratoga-Los Gatos Road, nr Los
Gatos. Dr A L Porter to H A
Bridges..... July 2, 1919

BUILDING CONTRACTS.

Sacramento County.

ALTERATIONS

NO. 1011 NINTH ST., Sacramento.
Alter building.
Owner—Reese Estate Co., Sacramento
Architect—None.
Contractor—Siller Bros., 1230 "P" St.,
Sacramento. COST, \$2070

ALTERATIONS

NO. 1543 FIFTY-THIRD ST., Sacra-
mento. Alter residence.
Owner—Chas. E. Crocker, Sacramento
Architect—None.
Day's work.

COST, \$1000

GARAGE

S 1/2 LOT 5, G, H, 11th and 12th Sts.,
Sacramento. Garage.
Owner—John Siller, 1400 "P" St., Sacra-
mento.
Architect—None.

COST, \$6000

BUILDING CONTRACTS.

San Joaquin County.

DWELLING

VINE ST., bet. Stockton and Baker,
Stockton. Six-room dwelling.
Owner—C. A. Klives, Stockton.
Architect—None.
Day's work.

COST, \$3800

FRAME COTTAGE

GAMBETTA ADDITION, Stockton.
Frame cottage.
Owner—Mrs. K. A. Ricker, 1629 E-
Washington, Stockton.
Architect—None.
Day's work.

COST, \$2200

FRAME COTTAGE

SCHWEITZER ADDITION, Stock-
ton. Frame cottage.
Owner—M. Schweitzer, 9th St., bet.
Sutter & California St., Stockton.
Architect—None.
Day's work.

COST, \$1500

FRAME COTTAGE

MADISON ST., bet. North and Willow
Sts., Stockton. Frame cottage.
Owner—T. Caestlin, Stockton.
Architect—None.
Day's work.

COST, \$2500

COMPLETION NOTICES.

San Joaquin County.

Recorded Accepted
June 30, 1919—LOTS 5 AND 6 "E" Bk
4, Lake Terrace, Stockton. John
Wetkavsky to A. Jefford.
June 27, 1919

SCHOOL PAINTING BIDS WANTED.

FRESNO, Fresno Co., Cal.—F. B. Strom, Clerk of the Raisin City School District, Rt., G. Box 287, Fresno, Cal., is receiving bids for the painting of the Raisin City School building.

No closing date for receiving the bids has been set.

TO SELECT ARCHITECT FOR CHICO SCHOOL.

CHICO, Butte Co., Cal.—The Chico Board of Education will shortly select an architect to design plans for the proposed new high school building. Architects Woollett & Lamb, of Sacramento, have been in consultation with the School Board regarding the building.

BIDS RECEIVED AT WASHINGTON AND SAN DIEGO FOR ELECTRIC DISTRIBUTING SYSTEM.

WASHINGTON, D. C.—Only one bid was received by the Bureau of Yards and Docks, Navy Department, Washington, for gas and electric distributing system at San Diego under Specification No. 3921. Three bids were received at San Diego.

Bid Received at Washington.
Carroll Elec. Co., Washington, D. C., \$56,900.

Bids Received at San Diego.
Electric System.
Brenlin Electric Works, San Diego, \$43,750.
Newbery Elec. Co., Los Angeles, \$44,978.

Lange & Bergstrom, S. F. \$45,000.
Gas System.
Jas. Haverty, Los Angeles, \$6,875.
S. Julian, San Diego, \$7,979.
Lange & Bergstrom, \$8,245.
(27976) 1st report June 10; 2nd June

TO PURCHASE MOTOR.

SACRAMENTO, Cal.—Upon the recommendation of Commissioner of Public Works Thomas Coulter, the City Commission has granted authority to City Engineer Frank C. Miller to purchase and install a 300-horsepower motor at the pumping plant of the water works, to be used in connection with the booster pump which was installed last year for use during the low period of the river. The new motor will cost in the neighborhood of \$3,400.

STREET WORK PLANNED.

OAKLAND, Cal.—The City Council has adopted plans and passed a resolution of intention providing for the following work:

That portions of 37th avenue in the vicinity of E-14th street be graded, curbed with concrete, guttered with concrete gutters, and paved with oil-macadam pavement. L. W. Cummings is City Clerk.

STREET WORK PLANNED.

BERKELEY, Alameda Co., Cal.—The City Council has passed a resolution of intention providing for the following work:

That the S $\frac{1}{2}$ of Bancroft Way in the vicinity of College Ave., be graded concrete curb and gutter be constructed; the roadway be paved with an asphaltic wearing surface, and an asphaltic binder course laid on a concrete base. A. G. Briggs is City Clerk.

STREET WORK PLANNED.

STOCKTON, San Joaquin Co., Cal.—At the last meeting of the City Council plans and specifications for the improvement of Market street between Commerce and Center streets were adopted. Bids will be called for shortly.

BONDS FOR MUNICIPAL IMPROVEMENTS.

POMONA, Cal.—The municipal improvement committee has proposed a bond issue of approximately \$100,000 to provide for a City Jail and Fire Hall, 4 comfort stations, permanent seats for Greek theatre, a bridge on Park drive at Ganesha Park, addition to swimming pool at Ganesha Park, sprinkling system at Lincoln Park, a street roller, street sweeper, auto truck and stormdrains.

IMPROVEMENTS FOR BENICIA ARSENAL.

WASHINGTON, D. C.—Colonel W. W. Gibson, Acting Chief of Ordnance, has advised Representative Charles Curry that he had approved plans for a new quartermasters' warehouse at a cost of \$20,000 and for an artillery storehouse to cost \$131,000 at Benicia Arsenal, and had directed the Construction Department to proceed with the work at once.

General Marshall, Chief of the Construction Division of the War Department, told Congressman Curry work would start immediately.

STATE HIGHWAY CONTRACTS AWARDED.

SACRAMENTO, Cal.—The following contracts have been awarded by the

State Highway Commissioners:

Mendocino County, between Hopland and Easterly Boundary (I-Men-16-A), about 9.7 miles in length to be graded.

Awarded to J. P. Holland, 540 Brannan St., San Francisco, on his bid of \$119,751.80. Engineer's Estimate, \$100,347.20.

Merced County, between Merced and Easterly Boundary (VI-Mer-18-A), about 14.9 miles in length to be paved with Portland cement concrete.

Awarded to J. E. Lee of Tulare at \$142,750. Engineer's Estimate, \$140,725.

Lake County, between Westerly Boundary and Lakeport (I-Lak-16-A), about 9.4 miles in length to be graded.

Bids rejected. New bids to be called. A. J. Fairbanks of Willits submitted the lowest bid at \$131,790.10. (27417) 1st report May 15; 2nd June 9, 1919; (27739) 1st report May 28;

BIDS FOR FURNISHING FIRE HYDRANTS WANTED.

HILLSBOROUGH, San Mateo Co., Cal.—Bids will be received by the Board of Trustees of Hillsborough, John A. Hoey, Town Clerk, Room 440 Holbrook Bldg., San Francisco, up to July 15th, 5 P. M., for furnishing and delivering the following material:

11 cast iron fire hydrants, delivered f. o. b. Burlingame, Cal., equipped with connections for 4-inch cast iron pipe line; hydrants to have one outlet with standard California 2½ inch hose thread; details to be furnished by the bidder.

The Norton Liquid Door Check



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READY TO BUILD ROAD, BUT FINDS MACHINERY IS HARD TO OBTAIN.

OKDALE, Cal.—The county engineer has begun assembling the material for the Waterford-Oakdale road, of which two and a half miles of paving are still to be completed. This work was left uncompleted when the money in the bond fund was exhausted, and the supervisors agreed to appropriate the required balance with the beginning of the new fiscal year. This money is now available and work has been ordered resumed. The greatest difficulty confronting the county engineer is the fact that the road building machinery was nearly all rented stuff, and since work stopped much of it has been shipped out of the county.—Stockton Record.

BRIDGE PLANS ORDERED.

MERCED, Merced Co., Cal.—The Board of Supervisors have instructed the County Surveyor to prepare plans and specifications for the construction of a wooden bridge over Stevinson canal on Mariposa Island Road in Road District No. 2.

PREPARING PLANS FOR SWIMMING POOL.

COLTON, San Bernardino Co., Cal.—W. S. Skinner, engineer for the Ventura Refining Co., is preparing plans for the city park swimming pool. It will be 65x180 feet, from 18 in. to 9 ft. in depth, constructed of cement. There will also be dressing rooms.

WATER SYSTEM BONDS VOTED

BLTYHE, Riverside Co., Cal.—Bonds to amount of \$36,000 for a municipal water system were voted at a special election. Olmsted & Gillelen, Hollingsworth Bldg., Los Angeles, are the engineers.

PAVING PLANNED.

TULARE, Tulare Co., Cal.—The City Trustees have taken up the matter of paving city streets on about forty blocks, including Inyo street, to the state highway, North J street, connecting with the Fresno highway, 12 blocks on E-Kern street, 7 blocks on W-Tulare street and one lateral street by Pavilion park connecting Tulare and Kern streets.

TO IMPROVE GAS PLANT.

BRAWLEY, Imperial Co., Cal.—The Imperial Valley Gas Company has been ordered by the Railroad Commission to improve its system and give better service to the people of

Brawley. In a decision rendered recently in a suit brought by the city of Brawley against the utility, the commission stipulates just what improvements are to be made, and fixes a time limit of 30 and 60 days on the work. It is estimated that the improvements will cost in the neighborhood of \$25,000. Among the improvements ordered are: a steam boiler, a positive blower and a calorimeter, with a \$15,000 gas holder at Brawley.

BONDS VOTED FOR GAS PLANT.

LINDSAY, Tulare Co., Cal.—Bonds to amount of \$85,000 for a municipal gas plant were voted. Olmsted & Gillelen and J. M. Berkley, Hollingsworth Bldg., Los Angeles, are the engineers.

Street Improvement Contract Awarded

BISBEE, Ariz.—F. V. McPeak, 2415 Gramercy Park, Los Angeles, has been awarded the contract for grading and paving various city streets involving about 40,000 sq. yds. concrete paving, 5, 6, 7, and 8 in. thick, without wearing surface. There will also be cement curbs and sidewalks. Mr. McPeak's contract amounts to about \$105,000. The city furnishes cement. Bids were also submitted by Geo. H. Oswald of Los Angeles, and Warren Bros. Co., Mr. Halleck, City Engineer.

BIDS WANTED FOR PUMP

EAGLE ROCK CITY, Los Angeles Co., Cal.—Until 5 P. M., July 21, bids will be received by City Clerk Benj. B. Martsoff for furnishing one deep well turbine pump of centrifugal runner type, installed at a depth of 100 ft. with 35 ft. suction pipe below, lower five ft. to be perforated for strainer; pump head to be full ball bearing, full floating type direct connected to 25 h. p. 970 R. P. M. vertical motor; pump to have capacity of 350 gallons per minute on 125-ft. lift. Certified check for 10% required.

Street Improvements Planned.

SACRAMENTO, Cal.—Street improvements by the City for next year in the amount of \$126,596 will be recommended to the City Commission by Commissioner of Streets D. W. Carmichael, who is preparing the budget of his department for 1920.

These streets are those already accepted by the city as permanently improved, but which have become so badly worn that repair must be made. The recommendations include surfacing of these streets, at the expense given:

K street, Front to Eleventh, \$15,750; Eleventh street, O to R, \$6,750;

Twelfth street, O to R, \$6,750; Fourteenth street, P to Z, \$2,700; K street Twenty-first to Thirtieth, \$21,700; L street, Fifteenth to Twenty-sixth, \$26,750; Eighth street, D to I, \$12,325; O street, Eighth to Eleventh, \$7,600.

BIDS OPENED FOR TRAVELING CRANES.

WASHINGTON, D. C.—The following bids were received July 2nd by the Navy Department at Washington for furnishing Electric Traveling Cranes at Mare Island under Specification 3903:

Pawling & Harneschfeger, San Francisco and Milwaukee, Wis., \$118,550 and \$113,750.

Victor R. Browning, \$115,391 and \$92,198.

Bedford Foundry & Machine Co., Bedford, Ind., \$120,000.

Cleveland Crane & Engineering Co., Wickliffe, Ohio., \$103,000.

Niles-Bement-Pond Co., New York, \$112,600 and \$115,000.

Manning Maxwell & Moore, New York, \$115,102 and \$94,876.

Chesapeake Iron Works, Baltimore, Md., \$162,000.

Toledo Bridge & Crane Co., Toledo, Ohio, \$101,700 and \$112,500.

Cyclops Iron Works, San Francisco, \$126,333 and \$140,842.

BIDS OPENED FOR SELF-DUMPING SKIPS.

SAN FRANCISCO.—The following bids were received July 2nd by the San Francisco Board of Public Works for four self-dumping skips and side plates under Contract No. 64 for the Hetch-Hetchy project.

Joshua Henry Iron Works.....\$3,920
Michel & Pfeffer Iron Works.....2,929

HOME INDUSTRY LEAGUE OF CALIFORNIA.

From the kitchen to the drawing room, with all of the accessories from potato mashers to dresses, with daily reviews of fashions, is the plan determined upon by the Fashion Committee of the California Industries and Land Show, to be held at the Exposition Auditorium, October 4 to 19, under the auspices of the Home Industry League.

The display will be open to manufacturers of California. A plan simulating a model house, with drawing rooms, dens, boudoirs, dining room and the most modernly equipped kitchens, will be utilized for the setting.

It is anticipated that the exhibits in this model California home will run the gamut of household equipment

from California hams to original and artistic furniture. There is a wedding planned, an outing event, one where furs of untold value will be displayed, another for children, motor togs, shoes, leather bags, play garments, lingerie.

Contract Awarded for Street Improvement.

STOCKTON, Cal.—Clark & Henry Construction Co., 38 S-Sutter Street, Stockton, have been awarded a contract by the City of Stockton for the following work:

That South street from Sacramento to East street be improved by grading; curbing and guttering with combined concrete curb and gutter; constructing concrete sidewalks; paving the roadway; asphalt concrete base and bitulithic wearing surface.

PLAN TO ERECT BANK & OFFICE BUILDING.

SANTA ANA, Orange Co., Cal.—The First National Bank of Santa Ana, has decided to erect a 5 or 6-story bank and office building at the southwest corner of Fourth and Main streets. W. A. Huff, W. B. Williams and R. M. Simon have been appointed as directors as a building committee to handle all details of the project.

BIDS WANTED FOR TOOLS, ETC.

SEALED BIDS will be received in open session of the Board of Education to be held at 10 A. M., Tuesday, July 8, 1919, for the following supplies:

Tools and Hardware.
Metal Work Supplies.
Mechanical Drawing Supplies.
Paints and Powder.

Ninety-six Manual Training Benches.

Specifications may be had on application to the undersigned.

M. R. NORRIS,
Secretary Board of Education.

ARCHITECTS TO COMPETE FOR MARYSVILLE HIGH SCHOOL WORK.

MARYSVILLE, Cal.—The High School Board, L. P. Farris, Principal, will shortly set a date asking architects to submit plans for a new high school building for which a bond election will be called to finance construction. A site for the proposed building has already been selected.

K. P. LODGE OF MARTINEZ PLANS BUILDING.

MARTINEZ, Contra Costa Co., Cal.—Members of Golden Key Lodge, Knights of Pythias, are considering

plans for the building of a lodge hall here. Tentative plans will be discussed at the next meeting.

The matter of financing the project has been given considerable thought and consideration and it is believed that a scheme has been worked out whereby this can be taken care of by members of the order, which is one of the strongest of the local fraternal organizations.

Sonoma County Roads Soldiers' Memorials.

PETALUMA, Sonoma Co., Cal.—At a luncheon given here by the Chamber of Commerce, when representatives of the Santa Rosa and Sebastopol Chambers were present, it was decided to erect memorial arches or pillars at every road entering Sonoma county.

The arches will be built in recognition of the great work of the world's war veterans of Sonoma county. There are ten roads leading into the county and it is proposed to use Sonoma county stone in the erection of the structures. H. W. Wood of the "Courier" and H. W. Kerrigan of the Chamber of Commerce were named a committee to devise means of raising funds to build the memorials.

PRATT BUILDING MATERIAL COMPANY ENLARGING PLANT.

REDWOOD TANKS WANTED.

MARYSVILLE.—Pratt Building Material Co. are re-building and enlarging their sand loading plant on the Yuba River near the "D" St. bridge. Rolla Thompson has a gang of men building a new tower, adding a screen-plant, etc. The above company is in the market for two-second-hand redwood water tanks, 14 x 14'. These tanks will be used to drain the water off the sand after it is washed and screened. The Marysville plant will be a duplicate of the Pratt plant on the American River at Sacramento.

TO BUILD RAILROAD.

AJO, A. Z.—Col. J. C. Greenway, General Manager of the New Cornelia Copper Co., is reported to have raised \$12,000,000 to build a railroad from Ajo to Tucson and from Ajo to the Gulf of California. Surveyors are now locating the line to the gulf.

ASSOCIATION FORMED TO BUILD VALLEJO HOTEL.

VALLEJO, Solano Co., Cal.—P. J. Hanlon, James B. McCauley, James V. O'Hara, Daniel Brosnahan, Dr. James J. Hogan and W. D. Pennycook form

the Advancement and Investment Association of Vallejo which plans the erection of a \$200,000 hotel building in this city. It is probable that the building will be erected at Marin and Virginia Streets.

STATE HIGHWAY CONTRACTS AWARDED.

The following awards have been made by the Advisory Board of the Department of Engineering, June 18th, 1919:

To Healy-Tibbetts Constr. Co., 9 Main St., San Francisco, Cal.

For the construction of a bridge across the Salinas River at King City, Monterey County, Division V, Route 2, Section F. Contract price, \$234,316.90.

To Joseph G. Donovan, 780 Lyon St., Los Angeles, Cal.

For the construction of a section of State highway in Fresno County, Division VI, Route 10, Section D (between Coalinga and Oil King School) Contract price, \$128,996.50.

PREPARING PLANS FOR PAVING.

BAKERSFIELD, Kern Co., Cal.—City Engineer Hubbard was instructed to prepare plans and specifications for paving Cedar and "C" streets, and new specifications for paving Seventeenth street, bids for which were previously received and rejected.

PREPARING PLANS FOR UNDERGROUND R. R. CROSSING.

MARTINEZ, Contra Costa Co., Cal.—The Contra Costa County Supervisors have ordered the County Surveyor to prepare plans and specifications for an underground crossing across the tracks of the Santa Fe Railway on Franklin Canyon Road near Christie Station.

SCHOOL BONDS.

SUMMIT, Siskiyou Co., Cal.—An election will be held in the Summit Union School District on June 27th, to decide the question of issuing and selling bonds of \$15,000 with which to erect a new school building.

Trustees of the District are: J. M. White; Alex Albee; L. M. Hobson; Wm. Thurston; Fred E. Stone; W. O. Stone.

FRESNO, Fresno Co., Cal.—The Trustees of the San Joaquin School District have decided to call an election to vote bonds with which to erect a new school building to replace the one recently destroyed by fire. A \$15,000 building is planned.

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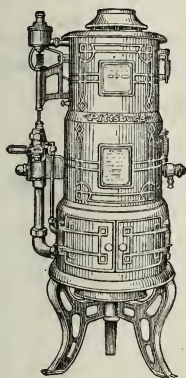
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Nineteenth Year, No. 29



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 Alexander Potter, Civil Engineer, New York City.
 J. N. Hatch, Consulting Engineer, Chicago.

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244 Kearny St., S. F.

Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities
on the Pacific Coast.

Issued Weekly, \$4.00 per year

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Nineteenth Year, No. 29



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560 Mission Street.
Telephone—Douglas 2372.

Notice!

Owing to the advanced cost of materials and labor the subscription price of the Building and Engineering News has been raised to \$4.00 per year, commencing July 1, 1919.

Among the Architects.

Architect Joseph L. Stewart, Claus Spreckels Bldg., has completed plans and is taking figures for the construction of a one-story and basement reinforced concrete and brick garage building to be erected on the south side of Mission street, 175 feet west of Sixth street, for the Sierra Investment Company. Estimated cost, \$25,000.

Mr. Stewart is also preparing plans for the following buildings: A seven story and basement Class "A" apartment house, 150x300, to be erected in San Francisco, at a cost of \$450,000; a two-story reinforced concrete garage building, 110x140, to cost in the neighborhood of \$45,000, and a three-story reinforced concrete apartment house and store building to be erected on Eddy street near Polk street. Estimated cost, \$26,000.

Architects Reid Bros., 105 Montgomery street, are preparing plans for a reinforced concrete theatre building, 70x120, with a seating capacity of 3,200. It will be erected on

Fourth and "G" streets, Eureka, Humboldt County, for Richard Sweasey, 402 "G" street, Eureka. Estimated cost, \$75,000.

Architect Edward T. Foulkes, Crocker Bldg., is taking figures for the construction of a one-story brick garage building to be erected on South "J" street, Fresno. Darbinian Brothers are the owners and the building has been leased to Charles Foreman Sales Company, Agents for the Briscoe Car. Estimated cost, \$12,000.

Architect A. Willoner, 403 21st St., Sacramento, is preparing plans for two one-story additions to frame school buildings in the North Sacramento School District. Estimated cost, \$15,000.

Architect Chester Cole, of Chico, has completed plans and figures are being taken for the construction of a one-story hollow tile two-room school building to be erected in the Knights School District, Grafton, Yolo County. Bids close July 12, 1919. Estimated cost, \$12,000.

The W. E. Kier Construction Company of San Diego, have been awarded a contract by the United States Government for the construction of a hollow tile administration building, walks and roads at the Naval Air Station, North Island, San Diego County. Contract price, \$203,394.

Architect Henry C. Smith, Humboldt Bank Bldg., is taking segregated figures for the construction of a three story and basement frame apartment house to contain three apartments of eight rooms and four bathrooms each. It will be erected on the southwest corner of Laguna and Clay streets for Miss E. J. Booth. Estimated cost, \$35,000.

Architect W. H. Toepke, 942 Market street, has completed plans for alterations and extensions to the banking rooms of the Bank of Italy No. 277 B street, San Mateo. The building is a two-story brick structure. A marble front, new fixtures, etc., will be installed. Estimated cost, \$20,000.

Architect Edward T. Foulkes, Crocker Bldg., is preparing plans for a frame church building for the Third Church of Christ Scientist of Berkeley, Alameda County. Estimated cost, \$20,000.

Architect Norman F. Marsh, 211 Broadway Central Bldg., Los Angeles, is preparing preliminary plans for two two-story and basement hollow tile buildings for the University of Friends, San Bernardino County. One will be the Science Hall, 60x120, and the other a men's dormitory, 136x40. Estimated cost, \$150,000.

Architect James A. Magee, 661 Phelan Bldg., has completed plans and is taking figures for the construction of six apartments with garage space in basement at the southeast corner of Clay and Spruce streets for Miss Hannah Rigney. Segregated bids are being taken. Estimated cost, \$13,000.

Mr. Magee is preparing plans for a five-story brick apartment house of two and three rooms to be erected on Post street. Estimated cost, \$35,000. He is also preparing plans for a six-story steel frame and reinforced brick semi-fireproof apartment house, 69x100, three and four rooms, for the Nob Hill District to cost about \$100,000.

Architect Edw. T. Foulkes, Crocker Bldg., is preparing plans for a two-story frame residence to be erected in the Claremont District, Oakland, for Mr. Shuman. Estimated cost, \$10,000.

Mr. Foulkes has also completed plans for alterations to Maple Hall on the northeast corner of Fourteenth and Webster streets, Oakland. Estimated cost, \$5,000. Work will be done by day's labor.

Architect Clay N. Burrell, 1st Trust Bldg., Oakland, is preparing plans for a four-story and basement reinforced concrete hotel building to be erected at Fifth and "E" streets, Marysville, Yuba County. The Coit Investment Company, 306 14th St., Oakland, is the owner. Estimated cost, \$200,000.

Plans will be completed in about 30 days, when sub-figures will be taken. Work will be done by days labor under the supervision of Roger Coit,

American Association of Engineers

OUR NEW PRESIDENT.

Dr. Frederik Hayes Newell.

President American Association of Engineers.

May 1919---1920.

Dr. F. H. Newell is Head of the Civil Engineering Department of the University of Illinois and is widely known as a public spirited engineer. He has been called "Father of the U. S. Reclamation Service," of which he was first Chief Engineer (1902-07) and Director (1907-14).

He has had a most active part in all of the reform movements in the engineering profession in the last few years from the first organization meeting of the American Association of Engineers in Chicago in the fall of 1914 to the Conference for promoting the Department of Public Works called by Engineering Council late in April of this year. He has served as President of the Committee on Engineering Cooperation from its organization in Buffalo in 1915 to the present time. He was one of the founders of the Washington Engineering Society and served as its President. He is a member of the American Society of Civil Engineers, American Society of Mechanical Engineers, Western Society of Engineers and was one of the original members of Engineering Council.

Mr. Newell graduated in 1885 at the Massachusetts Institute of Technology and after field experience in Colorado and other states was appointed on October 2, 1888, as Assistant Hydraulic Engineer of the U. S. Geological Survey. He actively assisted in the preparation and public presentation of various congressional bills, one of which by the personal efforts of President Roosevelt became the Reclamation Act when signed by the latter on June 17, 1902. Immediately after that date Mr. Newell was appointed Chief Engineer under Charles D. Walcott, then Director of the U. S. Geological Survey.

During the next few years the organization of the Reclamation Service was completed and plans outlined for extensive work in each of the western arid states, work being initiated on most of these. In 1907 the Reclamation Service was organized as a separate bureau of the Department of the Interior with Mr. Newell as Director.

The late Theodore Roosevelt has written, "For fourteen years I have followed at first hand the work of Mr. Frederik H. Newell. I speak from my personal knowledge when I say that he was one of the most loyal, disinterested and efficient public servants the United States has had throughout that period. He is a public servant of whom it is the bald and literal truth to say, that by his services he has made all good American citizens his debtors."

He has written quite extensively on the problems of development and use of the resources of the country, his principal books being upon irrigation, the public lands and related subjects, notably "The Public Lands and Their Water Supply."

"THE ENGINEER IN POLITICS."

How Far Will A. A. E. Go in Politics?
By W. A. STINCHOMB

[Address before Fifth Annual Convention of the American Association of Engineers, in Chicago, May 1919]

Before entering into a discussion of the topic assigned to me today,—"The Engineer in Politics"—I want to congratulate the officers of this organization, the program committee and the secretary for the splendid and unusual program arranged for this meeting, and particularly for bringing up for discussion the subject assigned to me,—not that I feel qualified to properly and fully discuss the same, but because of its great importance.

To have prepared this program of topics of such social and human interest, I have no doubt required a degree of daring of a kind not possessed by some in the profession. Too often, in my opinion, have engineering societies held themselves aloof, perchance feeling themselves above getting into discussions of political subjects.

Let me make myself clear in the use of the word "politics." I do not refer to it in its partisan sense, but I do most decidedly refer to it in a civic or governmental sense.

To say that the A. A. E. and its members shall not go into politics would be to deny to the Country and the local communities within which it has chapters the services of an organization of men who, by natural ability, by education, by training and by experience are most capable of serving the public and in directing and educating the voters on questions of public policy, and would deny to its members the fulfillment of their obligations as citizens of this Republic.

Now I know that a natural tendency exists among engineers not to take an active part in politics, but by so doing they evade their full responsibilities as citizens. In my opinion a man's responsibilities to his city, his state and his Country increase just as his abilities and opportunities increase.

Shall any one say that the engineer's training and experience does not better fit him to solve the problems of government as our civilization becomes more complex, than one trained in any of the other great professions?

What Are Some of These Political Problems?

In our cities practically all of our public problems are subject to scientific analysis. Is the subject one of developing the physical plan of the city, including the adequacy and location of its highways, the kind and strength of its pavements, the development of its park and recreation facilities, the working out of a proper drainage or the planning of its transportation facilities, either rail or water? Surely the engineer is best qualified to solve such problems. He is now called on for advice in these matters, and in my opinion he should be the one to largely decide.

In matters of public health as influenced by problems of sanitation such as sewage and garbage disposal, water supply and building and housing regulations, he is best qualified.

Even in the welfare and social problems of the city his analytical training fits him to search out the cause of our social evils and ills,—to relieve them rather than apply only palliative and preventative measures.

Shall any one say that he is less qualified to organize and direct the ordinary housekeeping affairs of a city because of his training and experience?

One of the most difficult and always present problems of all government is that of financing and taxation. It is the constant duty of the engineer in his practice to so design, execute and organize his work so that in terms of unit cost that cost shall be as low as possible. All problems of public taxation must go back to a proper appraisal of the property taxed whether that property be in a tangible or intangible form. Here again his experience and training fit him well to efficiently serve.

So we might analyze the many problems of state government, such as the development of a system of highways commensurate with the traffic needs of the day, the regulation and control of public utilities, the development of water transportation, the industrial and social problems affecting the workers in mines and factories, the care of the wards of the state, the development of its educational system, and the conservation and development of its natural resources. In all of these we find his training and experience should particularly fit him to serve.

Our national governmental problems are best solved when the engineering mind influences their solution.

And so in my opinion the engineer should take a dominant part in politics, and this Association as an organization should wield a forcible influence in determining the civic and governmental policies,—not as a right only, but as an obligation which both the engineer and the Association owe to society.

Political Activity Beneficial to the Association.

"But," I hear some timid soul say, "what effect will that action have on the engineer and this Association?" In my opinion it cannot be anything but beneficial.

This convention has had its attention called to the inadequacy of the salaries paid engineers in public service. Various means will be discussed as to methods by which salaries may be properly and equitably increased. How better can this be done than that the members of this profession shall take an active interest in the political questions of their communities?

We have noted the appointment of men neither fitted by education or training to take charge of departments of public service which really require the services of the trained engineer. We have seen the engineer subordinated to such superiors. He has seemingly been content to let his "light shine under a bushel," and have the accomplishments of his brain and energy appropriated by those to whom they do not rightly belong. By a more active participation in politics these injustices would be removed and credit bestowed where it rightfully belongs.

We have seen national organizations of other professions jealously guarding the business interests of the members of their professions. There is the National Bar Association, the various national organizations of the medical fraternity, whose efforts are used not only in maintaining a proper code of ethics in the profession, but in seeing that the members of that profession as a body are not discriminated against by the passage or operation of what they consider to be unjust laws. And so in halls of legislatures their representatives are seen when measures affecting those professions are under discussion,—and the professions referred to do not have to do with the public work of the state in any degree compared with that of the engineer.

It has always seemed to me that the engineer himself has been to blame for the position in which he is held by society and for the meagerness of the salaries paid by both public and private corporations for his services. He has been retiring in his nature, content to too large a degree to take his reward from the satisfaction growing out of difficult problems well solved and difficult work well performed.

I recognize the fact that there are certain kinds of professional advertising which are distasteful, but I know that you cannot expect to have the public place a proper estimate on the value of a profession unless that profession itself as an organized unit holds it up to a high standard of value. This in a large measure can be accomplished by a proper indulgence by the engineer in the political problems and discussions of the day.

We cannot in a democracy expect to maintain our government for any length of time in advance of the intelligence of the voters. The intelligence of the voter is only expressed through the polls and is influenced by the kind of political education which the voter receives. In elevating the standard of citizenship the engineer can and should be a leader in his community.

To be anything less not only results generally to the disadvantage of the individual but decidedly to the disadvantage of his profession, and is a direct evasion of the responsibilities of citizenship which his training and ability impose upon him.

Therefore, in my opinion the members of this organization and the organization itself should take an active part in politics in the sense in which the word has been used.

They and it should become leaders in moulding public opinion in a manner free from partisan political bias.

* * * * *

MINUTES OF THE MEETING OF LOS ANGELES CLUB.

American Association of Engineers
Held June 24th, 1919.

Christopher's Cafe, 741 S. Broadway
Los Angeles, Calif.

The meeting was called to order by temporary president, E. G. Sheibley, and the temporary organization, consisting of president and secretary was approved by the meeting by motion made and carried.

The president called for nominations for a temporary president to hold office until the permanent organization of the chapter had been effected. A. L. Harris proposed to the meeting that E. G. Sheibley be continued in office until a permanent chapter had been established, and the proposition was put in the form of a motion, seconded and carried. Motion was then made and carried that A. L. Harris be continued as secretary for the same purpose and the same length of time.

By motion made and carried E. Hardy Merrill was elected treasurer for the temporary organization. The members present included the following:

Garrison Babcock, E. G. Sheibley, A. L. Harris, E. Hardy Merrill, Waslekar, E. Earl Glass, F. C. McMillan, J. F. Lambert, G. C. Mattis.

Among the guests were Henry Z. Osborne, Jr., president of the Los Angeles Engineers and Architects Association of Southern California, and Mr. Prine, Editor of the Southwest Builder and Contractor, published in Los Angeles; also Major Garrison Babcock past president of the association from Chicago.

Major Garrison Babcock was introduced by the chairman and spoke at length upon the aims and objects of the American Association of Engineers.

It was then suggested by Mr. Harris that each man be given a short time to express his ideas of the association and its work which was concurred in by the meeting and a very interesting discussion took place. Major Garrison Babcock was able to suggest many valuable ideas in connection with our new organization and the principles which should guide it. After the speaking by each individual member a general discussion took place and at 10:30 p. m. the meeting adjourned.

A. L. HARRIS, Sec.

HOME INDUSTRY LEAGUE OF CALIFORNIA.

The prospectus of the California Industries and Land Show, to be given at the Exposition Auditorium, San

Francisco, October 4 to 19, under the auspices of the Home Industry League, has been issued.

The little booklet announces in its foreword the purpose of the first annual California Industries and Land Show as an important post-war event.

"California," it reads, "was first called upon to help successfully prosecute the war. She was found more than equal to her task in the furnishing of supplies for this Government, as well as for the Allies.

"The greatest opportunity of California is now. Revealing that of which she is capable, the State should henceforth be cultivated to its capacity. New factories should be built and the manufacturers should double their output—a campaign for intensive cultivation and production should be inaugurated."

To stimulate this interest and to know the producing power of California is the primal purpose of the Home Industry League in launching this big event.

The Exposition Auditorium, exhibition plan-decorations, are all covered and the entertainment chapter is of particular interest.

Band and orchestral concerts, moving pictures, special county celebrations, prophesying the carnival flavor to the Show, while for the visitors desiring the maximum of educational diversion,—there will be lectures bearing on manufacture, horticulture, agriculture and livestock, with free moving pictures on all subjects.

An announcement of interest is the utilization of the world-famed Exposition organ, located in the Exposition Auditorium, to be placed in a series of recitals by Edwin Lemare, the distinguished organist.

The premium list, completely covered, includes all of the articles of the state from agriculture to toys. Gold, silver and bronze medals are to be the awards, according to the announcement, with loving cups and ribbons.

According to Edward H. Brown, general manager of the California Industries and Land Show, the event is meeting with enthusiastic response. "It is a record-breaker," declares Brown. "Although we are four months removed from the opening of the Show, two-thirds of the space available for manufacturers has already been sold. That is setting a pace that will be difficult to keep up with."

The Land Show Committee includes F. D. Fagan, General Electric Company, Chairman; F. L. Washburn, president Western Meat Company; R. R. Rogers, Rogers Chemical Co., and Edward H. Brown, general manager.

ADVANCE NEWS

Official Proposals, Etc.

Contract Awarded.

ADDITION Cost, \$14,173
HILLSBOROUGH, San Mateo Co., Cal.
One-story addition to frame and plaster school.

Owner—Hillsborough School District.
Architect—Lewis P. Hobart, Crocker Bldg., San Francisco.

Contractor—R. Caldwell, 152 Ellsworth St., San Mateo, Cal.

Sketches Being Prepared.

MARKET BLDG. Cost, \$—
SAN FRANCISCO. Market & Eighth.
One-story concrete and brick market building.

Owner—McCreery Estate, 221 Sansome St., San Francisco.

Architects—Weeks & Day, 933 Phelan Bldg., San Francisco.

Contract Awarded.

GARAGE Cost, \$20,000
SAN FRANCISCO. Belcher Street, bet. 14th and 15th Streets.

One-story Class "C" garage, 100x120.
Owner—Thos. O'Day.

Architect—Mat. O'Brien, Foxcroft Bldg., San Francisco.

Excavating and concrete work awarded to The Mission Concrete Co.

Plumbing to O. Kurtz.
Electric work to The Decker Elec. Company.

Galvanized iron work to The Guilfof Cornice Co.

Carpentry, roofing and painting under consideration.

Plans Being Prepared.

APARTMENTS Cost, \$100,000
SAN FRANCISCO. Nob Hill District.
Six-story steel frame and reinforced brick apartment house, 69x100. (3 and 4-room apts.).

Owner—Withheld.

Architect—Jas. A. Magee, 661 Phelan Bldg., San Francisco.

Plans Being Figured.

DEPARTMENT STORE Cost, \$—
SACRAMENTO. "K" St., bet. 8th and 9th Streets.

Four-story Class "A" department store building.

Owner—Geo. W. Ewen.

Architects—Woollett & Lamb, Physicians' Bldg., Sacramento.

Ready for Figures Shortly.

SCHOOL. Cost, \$33,000
GEYSERVILLE, Sonoma Co., Cal.

One-story reinforced concrete school building (6 rooms and auditorium.)

Owner—Geyserville High School District.

Architect—Henry C. Smith, Humboldt Bank Bldg., San Francisco.

NOTE:—Bonds have been voted.

Segregated Figures Being Taken.

ALTERATIONS Cost, \$13,000
SAN FRANCISCO. SE Clay & Spruce Streets.

Alter three-story frame building into (6) apartments and garage in basement.

Owner—Miss Hannah Rigney.

Architect—Jas. A. Magee, 661 Phelan Bldg., San Francisco.

Structural Steel Being Figured.

APARTMENTS Cost, \$225,000
SAN FRANCISCO. NW Geary and Taylor Streets.

Six-story and basement reinforced concrete apartment house.

Owner—I. Rosenberg, 333 Kearny St., San Francisco.

Architect—Joseph Cahen, 333 Kearny St., San Francisco.

Contract Awarded.

SCHOOL Cost, \$67,981
WASCO, Kern Co., Cal. Wasco School District.

Reinforced concrete and brick school. Owner—Wasco School District.

Architect—J. M. Saffell, Fiske Bldg., Bakersfield, Cal.

Contractor—Henry Elssler, Bakersfield, Cal.

Contract Awarded.

ADMINISTRATION BLDG. Cost, \$203,394.

NORTH ISLAND, San Diego Co., Cal. Naval Air Station.

Hollow tile administration building and walks and roads.

Owner—United States Government.

Architect—Not Given.

Contractor—W. E. Kier Constr. Co., San Diego, Cal.

Plans Being Figured.

RESIDENCE Cost, \$10,000
BERKELEY, Cal. Claremont.

Two-story frame residence.

Owner—A. J. Ames.

Architect—Clarence A. Tantau, 502 Clunie Bldg., San Francisco.

SPECIFICATIONS

Chimneys, brick; Exterior Finish,

cement plaster; Floors, hardwood; Iron Work, ornamental iron; Roof, wood shingles.

Contracts Awarded.

FACTORY Cost, \$—
SAN FRANCISCO. No. 940 North Point Street.

One-story brick addition to factory.

Owner—D. L. & D. Ghirardelli & Co.

Architect—Wm. Mooser, 1105 Nevada Bank Bldg., San Francisco.

Brick work awarded to H. H. Larsen, 62 Post Street.

Carpenter work to G. Peterson, 62 Post Street.

Plumbing and electric work to O. Kurtz, 445 Stevenson Street.

Sub-Figures Being Taken.

GARAGE Cost, \$25,000
OAKLAND, Cal. Broadway near Piedmont Avenue.

One and two-story reinforced concrete and brick commercial garage, 82x119.

Owner—William Greuner.

Architect—Clay N. Burrell, 1st Trust Bldg., Oakland.

Plans Being Prepared.

RESIDENCE Cost, \$4,000
BERKELEY. Walnut St.

One and one-half-story frame residence (6 rooms).

Owner—Withheld.

Architect—Paul A. Needham, 2108 Shattuck Ave., Berkeley.

To be Done by Day's Work.

RESIDENCE Cost, \$6,000
BERKELEY. No. 2064 Los Angeles Street.

Two-story frame residence (7 rooms and garage).

Owner—Herbert F. Kern.

Architect—Paul A. Needham, 2108 Shattuck Ave., Berkeley.

Ready for Figures in About A Week.
STORAGE BLDG. Cost, \$22,000

OAKLAND. East Oakland.

One-story reinforced concrete storage building.

Owner—East End Storage Co.

Architect—Clay N. Burrell, 1st Trust Bldg., Oakland.

Owner Taking Figures.

APARTMENTS Cost, \$14,000
OAKLAND. Chenery St., Piedmont.

Two-story frame apartments (8 apts). Owners—Leonard & Hall.

Architect—Clay N. Burrell, 1st Trust Bldg., Oakland.

Plans Being Prepared.

BUNGALOWS Cost, \$3800 each
BERKELEY. North Cragmont.

Three one-story frame bungalows.

Owner—Harold Havens Co.

Architect—Paul A. Needham, 2108 Shattuck Ave., Berkeley.

Plans Being Figured. Bids Close Aug. 7, 1919, 10 A. M.

COURTHOUSE Cost, \$—
WINNEMUCCA, Nevada.

Concrete and brick courthouse.

Owner—Humboldt County, Nevada.

Architect—F. J. De Longchamps, Reno Nevada.

Figures are being taken on the following items:

1—Excavating and grading.

2—Concrete work.

3—Stone work (set in place).

4—Terra cotta and brick (set in place).

5—Plastering and furring.

6—Plumbing and heating.

7—Oil equipment.

8—Electric wiring.

9—Roofing.

10—Carpentry and mill work.

11—Marble and tile.

12—Painting and glazing.

13—Finish hardware.

14—Iron and sheet metal.

Plans on file at Architect's office.
Deposit of \$10 required.

Oil Burning Equipment, Kitchen Equipment, Pumps, Steam Boilers, Incinerator, Etc., Bids Wanted For Hospital.

WOODLAND, Yolo Co., Cal.—Bids will be received by the County Supervisors, H. R. Saunders, County Clerk, Woodland, Cal., or at the rooms of the Building Committee, Supervisors Room, County Court House, Sacramento, Cal., up to August 1st, 2 P. M., for furnishing and installing crude oil burning equipment for the power plant, kitchen ranges and incinerator, including steam boiler, pumps, etc., for a Tuberculosis Hospital, situated on a site about one-quarter mile southwest of Weimar Station, in the County of Placer, in accordance with the plans and specifications prepared by R. A. Herold, Architect, and J. E. Stanton, Associate Architect, and specifications may be seen at the office of the Architects, Room 430 Forum Bldg., Sacramento.

Plans and specifications may be seen at the office of the Architects, Room 430 Forum Bldg., Sacramento.

Plans Being Prepared.

APARTMENTS Cost, \$35,000
SAN FRANCISCO. Post Street.

Five-story and basement brick apartments (2 and 3-room ap's).

Owner—Withheld.

Architect—Jas. A. Magee, 661 Phelan Bldg., San Francisco.

Contract Awarded.

MORTUARY BLDGS. Cost, \$7,000

ANTIOCH, Contra Costa Co., Cal.

Third and "F" Streets.

One and one-half-story concrete mortuary buildings.

Owner—H. G. Preston, Antioch, Cal.

Architect—Not Given.

Contractor—M. D. Field, Antioch, Cal.

Plans Being Prepared.

WAREHOUSE Cost, \$125,000
SEATTLE, Wash. Western Avenue & University Street.

Four-story mill construction warehouse, 120x120.

Owner—Stephen A. Hull, Representing the Owners.

Architect—John Graham, L. C. Smith Bldg., Seattle, Wash.

Plans Approved.

CITY HALL. Cost, \$—
TULARE, Tulare Co., Cal.

Two-story Class "C" municipal auditorium and City Hall.

Owner—City of Tulare.

Architects—W. C. Perry and G. B. Sturgeon, Newhall Bldg., San Francisco.

Plans Being Figured.

ADDITION Cost, \$—
SAN FRANCISCO. W Polk Street 65 N Washington Street.

Add one-story to reinforced concrete apartments.

Owner—G. H. Sanders.

Architect—G. A. Applegarth, Claus Spreckels Bldg., San Francisco.

Plans Being Figured.

BUNGALOW Cost, \$—
SAN FRANCISCO. E Moscow Street 175 — Persia Avenue.

One-story 4-room frame bungalow.

Owner—A. Riveras.

Architect—O. E. Evans, 2569 Mission St., San Francisco.

Plans Being Figured.

GARAGE Cost, \$—
LOS ANGELES. SE 12th and Hope Streets.

Four-story reinforced concrete garage building, 100x155.

Owner—Ponet Co.

Lessee—Chevrolet Motor Car Co.

Architects—W. J. Dodd and Wm. Richards, 905 Brack-Shops Bldg., Los Angeles.

BUNGALOWS Cost, \$3500 each
REDWOOD CITY, San Mateo Co., Cal.

Dingee Park.

Two frame bungalows (6 rooms and sleeping porch and garage each).

Owner—Mrs. S. E. Connell and Miss A. E. Cole.

Architect—O. E. Evans, 2569 Mission St., San Francisco.

Plans Being Prepared.

RESIDENCE Cost, \$—
LOS ANGELES. 24th St. and Western Avenue.

Two-story and basement brick and stone residence (12 rooms, 4 bathrooms, billiard hall.)

Owner—Mrs. C. E. Wiswall.

Architect—John C. Austin, 1125 Baker Detwiler Bldg., Los Angeles.

Plans Being Prepared.

OFFICES Cost, \$750,000
TACOMA, Washington.

Twelve-story Class "A" office building 65x100.

Owner—W. R. Rust.

Architects—Sutton & Whitney, Lewis Bldg., Portland, Ore.

Plans Being Figured. Bids Close July 19, 1919.

SCHOOL Cost, \$—
HAINES, Ore.

Two-story and basement brick school, 108x84.

Owner—School District No. 24.

Architects—Tourtellotte & Hummel, McKay Bldg., Portland, Ore.

Commissioned to Prepare Plans.

LIBRARY Cost, \$55,000
SAN FRANCISCO. N Sacramento St. bet. Baker and Lyon Sts., 117x225.

Two-story brick and concrete library (Presidio Branch).

Owner—S. F. Library Trustees Carnegie Fund.

Architect—G. A. Lansburgh, Gunst Bldg., 709 Mission St., San Francisco.

Plans Being Prepared.

RESIDENCE Cost, \$6,000
SAN FRANCISCO. Merritt Terrace.

Two-story frame residence.

Owner—Mr. Hammer, Oakland Auto Sales Co., Oakland.

Designer—H. O. Aiden, 55 New Montgomery St., San Francisco.

Plans Being Figured.

ALTERATIONS Cost, \$—
NEVADA. State Orphan's Home.

Alter and add to Orphan's Home.

Owner—State of Nevada.

Architect—F. J. De Longchamps, Gazette Bldg., Reno, Nevada.

Plans on file in Architect's office.

Plans Being Prepared.

APARTMENTS

ASTORIA, Oregon.

Six-story and basement fireproof apartments, 100x100.

Owner—Withheld.

Architect—F. Manson White, Chamber of Commerce Bldg., Portland.

Plans Being Prepared.

RESIDENCE

COST, \$6,000

SAN FRANCISCO. Merritt Terrace.

Two-story frame residence.

Owner and Designer—H. O. Alden, 55 New Montgomery St., San Francisco.

Plans Being Prepared.

CHURCH

COST, \$60,000

VALLEJO, Solano Co., Cal.

One-story brick church.

Owner—Methodist Episcopal Church.

Architect—W. J. Wythe, Central Bank Bldg., Oakland.

Ready for figures in about three weeks.

Ready for Figures Shortly.

SCHOOL

COST, \$40,000

YREKA, Siskiyou Co., Cal.

One-story and basement brick grammar school building (8 rooms and auditorium.)

Owner—Yreka Grammar School Dist.

Architect—Henry C. Smith, Humboldt Bank Bldg., San Francisco.

Plans Nearing Completion.

APARTMENTS

COST, \$—

ASTORIA, Oregon.

Four-story brick (6) apartments, 100

x200.

Owner—Hhos. Randies, Astoria, Ore.

Architect—F. Mason White, Chamber of Commerce Bldg., Portland.

Plans Being Prepared.

HOME BUILDING

COST, \$40,000

SAN JOSE, Santa Clara Co., Cal. No.

70 North Fifth Street.

Home building containing a chapel with a seating capacity of 700; a class room to accommodate 300; a large reception hall; offices for the healers, and accommodations for the resident workers.

Owner—Home of Truth, San Jose, Cal.

Architect—William Binder, Binder Bldg., San Jose, Cal.

Plans Being Prepared.

HOSPITAL

COST, \$200,000 or more.

PORTLAND, Ore. Marquam Hill.

Reinforced concrete hospital.

Owner—County of Multnomah.

Architects—Sutton & Whitney, Lewis Bldg., Portland, Oregon.

BUILDING AND ENGINEERING NEWS

Plans Approved. Bids to be Called

Shortly.

GYMNASIUM

COST, \$10,000

NEWMAN, Stanislaus Co., Cal.

Gymnasium Building for High School.

Owner—Newman High School District

Architect—Francis Reid, Concord, Contra Costa Co., Cal.

Preliminary Plans Being Prepared.

APARTMENTS

COST, \$—

SAN FRANCISCO.

Four-story Class "C" apartment house

(30 2-room apts.)

Owner—Withheld.

Contractor—C. O. Clausen, Hearst Bldg., San Francisco.

Preliminary Figures Being Taken.

APARTMENTS

COST, \$500,000

SAN FRANCISCO. Larkin and Francisco Streets.

Eleven-story Class "A" apartments.

Owner—Withheld.

Architect—G. A. Applegarth, Claus

Spreckels Bldg., San Francisco.

Plans Being Revised. Plumbing Con-

tract Awarded.

APARTMENTS

COST, \$—

SAN FRANCISCO. S California St.

97-6 W Mason St.

Eight-story Class "A" apartment

house.

Owner—John W. Proctor and Selah

Chamberlain, a cptn.

Architects—Schwartz & Gross of New

York and Willis Polk, Hobart

Bldg., San Francisco.

Mr. Polk is revising the plans and

will take figures shortly.

Alex Coleman, 706 Ellis St., has been awarded the contract for plumbing, drainage, gas fitting, etc., at \$21,125.

Plans Being Figured.

BUNGALOWS COST, \$3,000 each

RICHMOND, Contra Costa Co., Cal.

Spaulding Richmond - Pullman Townsite.

Twenty-five one-story 5-room frame bungalows.

Owner—Occidental Building & Investment Co. of Albany.

Architect—O. E. Evans, 2569 Mission St., San Francisco.

Only five of the dwellings are being figured at this time. Bids are wanted for a general contract, except lumber and mill work, which will be furnished by the owner.

Ready For Figures August 1st.

ADDITION

COST, \$—

SAN FRANCISCO. N Geary St. E of

Grant Avenue.

Six-story and basement Class "C" addition, 35x120 to department store

Owner—Livingston Bros., Geary and

Grant Ave., San Francisco.

Architect—Albert Lansburgh, 709 Mission Street, San Francisco.

Construction will start shortly after September 1st when the lease of the present two-story building expires.

Correction. Work Omitted in Report of July 7, 1919.

Plans Being Figured.

APARTMENTS

COST, \$70,000

SAN FRANCISCO. Octavia and Broad-

way.

Four-story Class "C" apartment house

Owner—Withheld.

Architect—G. A. Applegarth, Claus

Spreckels Bldg., San Francisco.

Plans Being Prepared.

RESIDENCE

COST, \$20,000

LOS ANGELES. Windsor Square.

Two-story and basement brick veneer and frame residence and garage (13 rooms and 3 bathrooms).

Owner and Architect—S. M. Cooper,

Story Bldg., Los Angeles.

Plans Being Figured.

THEATRE, ETC.

COST, \$40,000

PITTSBURG, Contra Costa Co., Cal.

Two-story brick theatre and store building (4 stores).

Owner—E. Enea & Bros., Pittsburg.

Architect—A. W. Cornelius, Merchants

National Bk. Bldg., San Francisco.

Ready for Figures Monday.

SCHOOL

COST, \$18,000

EASTON, San Mateo Co., Cal.

One-story frame school (4 rooms).

Architect—E. L. Norberg, 420 Bankers' Investment Bldg., San Francisco.

Contract Awarded.

GARAGE

COST, \$15,000

SAN FRANCISCO. Fifth and Harrison

Streets.

Two-story reinforced concrete and brick garage building.

Owner—Geo. Caesar.

Lesee—C. K. S. MacDonald Tractor

Company.

Architect—J. F. Dunn, Phelan Bldg.,

San Francisco.

Contractor—F. L. Hanson, 2000 Polk

St., San Francisco.

GOVERNMENT SCHOOL BIDS REJECTED.

All bids received May 27 by the Commissioner of Indian Affairs, Washington, D. C., for constructing school house No. 81 at the Fort Bidwell Indian School, Calif., have been rejected.

CONTRACTS AWARDED

Liens, Acceptances, Etc.

BUILDING CONTRACTS.

San Francisco County.

No.	Owner	Contractor	Amt.
1295	Fisher	Fisher	5000
1296	Janssen	Janssen	3000
1297	Com, Center	Moller	2000
1298	Owby	Owby	1200
1299	Stark	Rednall	970
1300	Goldsmith	Ellingson	900
1301	Menser	Healing	850
1302	Gunn	Ellingson	800
1303	Brogden	Grey	500
1304	Tassio	Salvi	400
1305	Helbush	Kragen	1400
1306	Bass	Foundation	18000
1307	Nelson	Nelson	3500
1308	Nelson	Nelson	3000
1309	Women's Club	Lindgren	3000
1310	Brownlee	Marcussen	3000
1311	Balaine	Grah	3000
1312	Titus	Titus	2500
1313	McDonough	Costello	2000
1314	Cahn	Cahn	1900
1315	Levy	Otten	1845
1316	Magnin	Emanuel	900
1317	Conniff	Caine	900
1318	Gates	Denke	875
1319	Kuster	Ahl	500
1320	Meita	Meita	500
1321	Wilson	Wilson	400
1322	Otis	Cole	400
1323	Chatterly	Owner	400
1324	Cahen	Barman	2400
1325	Rosenberg	Carlin	2170
1326	Same	American Elec	
1327	Goldstein	Mission	41489
1328	Morris	Morris	7500
1329	McCaIn	Hansen	6950
1330	Lutheran Ch	Grace	12300
1331	Roesler	Hamerton	10000
1332	Rohlfis	Munster	4000
1333	Schweitzer	Robinson	1950
1334	Blackman	Owner	1000
1335	Gordon	Gordon	500
1336	Simon	Robinson	475
1337	Proctor	Coleman	21125
1338	O'Day	Anderson	3525
1339	Same	Mission Con	7200
1340	Larsen	Larsen	7700
1341	White Lunch	Owner	1500
1342	Adams	Kelly	1200
1343	Starr	Kelly	1000
1344	Crist	Novelty	500
1345	Harris	Deibel	400
1346	Metz	Metz	400
1347	Clancy	Schmid	1686
1348	Same	Same	698
1349	Bannan	Mager	1500
1350	Polhemus	Reilly	7950
1351	Same	Hogberg	1785
1352	Same	Neal	1045
1353	Kummer	Zinkand	3000
1354	Stoff	Zimmerman	2100
1355	Gartland	Owner	4000
1356	Nelson	Nelson	3500
1357	Dryden	Dryden	1850
1358	Buetler	Buetler	1000
1359	Sarange	Christian	1000
1360	Smith	Cornick	650
1361	McElroy	McElroy	500
1362	Gales	Denke	475
1363	Hillard	Forbes	3450
1364	Christen	Wilhelm	5157
1365	Albers	Hoyt	3000
1366	Brunton	Cameron	2500
1367	Crocker	Samuelson	2000
1368	Central Pac Land	Holt	1900
1369	Crocker	Samuelson	1800

1370	Baum	Coburn	940
1371	Buzzolano	Owner	850
1372	Gump	Barrett	10868
1373	Mullan	McSheehy	1250

ALTERATIONS

(1295) SW SACRAMENTO AND Montgomery. Alter offices and install elevator.
Owner—M. Fisher, 687 Mission, S. F.
Architect—None.
Day's work. COST, \$5000

RESIDENCE

(1296) E EIGHTEENTH AVE 150 S Cabrillo. One-story frame residence.
Owner—E. A. Janssen, 1001 Hearst Bldg., San Francisco.
Architect—None.
Day's work. COST, \$3000

ALTERATIONS

(1297) NW BROADWAY & GRANT Ave. Alter store.
Owner—Commercial Center Realty Co., 916 Kearny, S. F.
Architect—None.
Contractor—R. W. Moller, 614 Call Bldg., San Francisco.
COST, \$2000

FRAME RESIDENCE

(1298) E EDINBURG NO. 263. One-story frame residence.
Owner—Thos. P. Ownby, 1138 Fell St., San Francisco.
Architect—None.
Day's work. COST, \$1200

FRAME RESIDENCE

(1299) NE FILBERT AND DIVISADERO. One-story frame residence.
Owner—D. B. W. Stark, 2598 Filbert, San Francisco.
Architect—None.

Contractor—W. W. Rednall, 2500 Filbert, San Francisco.
COST, \$970

ALTERATIONS

(1300) SE FILLMORE & O'FARRELL Alter cigar store.
Owner—J. S. Goldsmith.
Architect—Earle B. Bertz, 68 Post, San Francisco.
Contractor—E. Ellingson, 110 Jessie, San Francisco.
COST, \$900

ALTERATIONS

(1301) NO. 369 FREDERICK. Alter dwelling.
Owner—Albert Menser.
Architect—None.
Contractor—Geo. Healing, 110 Jessie, San Francisco.
COST, \$850

ALTERATIONS

(1302) NO. 2828 DIVISADERO. Alter garage.
Owner—W. J. Gunn, Premises.
Architect—Albert Farr, 68 Post, S. F.
Contractor—E. Ellingson, 110 Jessie, San Francisco.
COST, \$800

ALTERATIONS

(1303) S BROADWAY 68-9 E Polk. Alter warehouse.
Owner—Brogden & Grey, 240 Montgomery, San Francisco.

Architect—O'Brien Bros., 240 Montgomery, San Francisco.
Day's work. COST, \$500

ALTERATIONS

(1304) NO. 5 NEWELL. Alter residence.
Owner—C. Tassio, Premises.
Architect—None.
Contractor—P. Salvi, 1945 Stockton, San Francisco.
COST, \$400

ALTERATIONS

(1305) NO. 826 MARKET. Alterations and additions to building.
Owner—Herman H. Helbush, 75 Sutter, San Francisco.
Architect—None.
Contractor—Louis Kragen, 743 Gough, San Francisco.

Filed July 7, '19. Dated June 12, '19.
Completed and accepted. \$1400
TOTAL COST, \$1400
Bond, limit, forfeit, plans and specifications, none.

ADDITION

(1306) BLK BDED BY RHODE ISLAND, Kansas, 23rd and 24th Sts. Addition to varnish plant.
Owner—Bass-Hueter Paint Co., 816 Mission, San Francisco.
Architect—None.
Contractor—The Foundation Co., 58 Sutter, San Francisco.
COST, \$18,000

FRAME DWELLING

(1307) NW MADRONE AVE 20 NE Vincente. Two-story frame dwlg.
Owner—Fernando Nelson & Sons, 2701 Lincoln Way, San Francisco.
Architect—None.
Day's work. COST, \$3500

FRAME DWELLING

(1308) NW WAWONA 75 SW Vincente. One-story frame dwelling.
Owner—Fernando Nelson & Sons, 2701 Lincoln Way, San Francisco.
Architect—None.
Day's work. COST, \$3000

ALTERATIONS

(1309) N SUTTER — W Mason. Alter kitchen.
Owner—Women's Athletic Club, 640 Sutter, San Francisco.
Engineer—Ronneberg, 305 Crocker Bldg., San Francisco.
Contractor—Lindgren Co., Monadnock Bldg., San Francisco.
COST, \$3000

RETAINING WALL

(1310) S CALIFORNIA 137-6 E Taylor. Reinforced concrete retaining wall.
Owner—Anna L. Brownlee.
Engineer—T. Ronneberg, 305 Crocker Bldg., San Francisco.
Contractor—M. Marcussen, Royal Insurance Co., S. F.
COST, \$3000

FRAME DWELLING

(1311) W TENTH AVE 225 S Judah. One-story frame dwelling.
Owner—A. Balaine, 69 Groveland, San Francisco.
Architect—None.

Contractor—Wm. H. Grahm, 2840 Bryant, San Francisco.

COST, \$3,000

FRAME RESIDENCE

(1312) S OCEAN AVE 60-11 W Cayuga. One and one-half-story frame residence.

Owner—Watson A. Titus, 117 Ocean Ave., San Francisco.

Architect—None.

Day's work. COST, \$2,500

FRAME RESIDENCE

(1313) W HOMESTEAD 35 N 25th. Two-story frame residence.

Owner—McDonough & Costello, 90 St. Mary's Ave. and 93 College Ave., San Francisco.

Architect—None.

Day's work. COST, \$2,000

ALTERATIONS

(1314) NO. 2512 SAN BRUNO AVE.

Alter residence.

Owner—A. Cahen, Premises.

Architect—None.

Day's work. COST, \$1,900

ALTERATIONS

(1315) NO. 551 TWENTY-FIFTH AV

Alter flats.

Owner—A. Levy, Premises.

Architect—None.

Contractor—H. P. Otten, 555 25th Ave San Francisco.

COST, \$1,845

ALTERATIONS

(1316) E GRANT AVE 100 S Geary.

Alter store.

Owner—Magnin & Co., 90 Grant Ave., San Francisco.

Architect—None.

Contractor—L. & E. Emanuel, Inc., 1530 Filbert, San Francisco.

COST, \$900

GARAGES

(1317) NOS. 1429-31-33 LEAVENWORTH (rear). Three one-story frame garages.

Owner—Miss Mary Conniff, 1429 Leavenworth, San Francisco.

Architect—None.

Contractor—T. W. Caine, 1910 Clement, San Francisco.

COST, \$900

ALTERATIONS

(1318) NO. 2430 LAKE. Alter apartments.

Owner—Mrs. D. E. Gates, Premises.

Architect—None.

Contractor—E. H. Denke, 1317 Hyde, San Francisco.

COST, \$875

ALTERATIONS

(1319) NO. 249 O'FARRELL. Alter store.

Owner—C. M. Kuster, Premises.

Architect—None.

Contractor—G. E. Ahl, 1237 2nd Ave., San Francisco.

COST, \$500

ALTERATIONS

(1320) NO. 517½ SUNNYSIDE AVE. Alter milk store.

Owner—Frank Meita, Premises.

Architect—None.

Day's work. COST, \$500

ALTERATIONS

(1321) NO. 332 STOCKTON. Alter small theatre.

Owner—F. A. Wilson, — Mason, S. F.

Architect—None.

Day's work. COST, \$400

ALTERATIONS

(1322) S TURK 150 W Larkin. Alter hotel.

Owner—James Otis Trustee, Hotel Carlton, 545 Turk, S. F.

Architect—Geo. Rushforth, 354 Pine, San Francisco.

Contractor—P. J. Cole, 110 Jessie, San Francisco.

COST, \$400

ALTERATIONS

(1323) NO. 1425 FORTY-THIRD AV Alter residence.

Owner—Archle C. Chatterby, Prem.

Architect—None.

Day's work. COST, \$400

PAINTING, ETC.

(1324) NE SUTTER AND MASON.

Painting and papering five-story brick apartments and stores.

Owner—Joseph Cahen and J. Coney.

Architect—Joseph Cahen, 333 Kearny, San Francisco.

Contractor—Harry Barman, 79 Sharon St., San Francisco.

Dated June 2, 1919. COST, \$2,400

(1325) NW GEARY AND TAYLOR. Grading for 6-story reinforced concrete apartment house.

Owner—I. Rosenberg, 333 Kearny St., San Francisco.

Architect—Joseph Cahen, 333 Kearny St., San Francisco.

Contractor—Carlin Bros.

COST, \$2,170

(1326) ELECTRICAL WORK ON above.

Contractor—American Elec. Eng. Co., 1723 Polk St., San Francisco.

COST, \$—

GARAGE

(1327) NW FULTON AND LAGUNA 110x120. All work for two-story reinforced concrete garage building.

Owner—The E. L. Goldstein Co., 333 Kearny, San Francisco.

Architect—Jos. L. Stewart, Claus Spreckels Bldg., San Francisco.

Contractor—The Mission Concrete Co., 331 Guerrero, San Francisco.

Filed July 8, '19. Dated June 28, '19.

Excavation finished and concrete poured to 2nd floor.....\$10,372.25

Concrete roof poured.....10,372.25

Completed and accepted.....10,372.25

Usual 35 days.....10,372.25

TOTAL COST, \$41,489.00

Bond, none. Limit, 150 days. Forfeit, 20. Plans and specifications filed.

(1328) LOT 13 BLK 3176 Westwood Park. All work for one-story and basement frame dwelling.

Owner—Linnie Morris, 132 Judson Ave., San Francisco.

Architect—A. W. Smith, 1010 Broadway, Oakland.

Contractor—Gordon W. Morris, 132 Judson Ave., San Francisco.

Filed July 8, '19. Dated June 5, '19.

Enclosed and roof on.....\$1875

Brown coated.....1875

Completed and accepted.....1875

Usual 35 days.....1875

TOTAL COST, \$7,500

Bond, \$3750. Sureties, Geo. J. Morton and David C. Brown. Limit, 90 days. Forfeit, none. Plans and specifications filed.

FRAME BUNGALOW

(1329) LOT 5 and S 10 feet Lot 4 Blk 3107 Westwood Park. All work for one-story frame bungalow.

Owner—Ida F. McCain, 318 Kearny, San Francisco.

Architect—Ida F. McCain, 318 Kearny, San Francisco.

Contractor—H. J. Hansan, 1327 20th Ave., San Francisco.

Filed July 8, '19. Dated July 2, '19.

Enclosed and roof on.....\$1737.50

Brown coated.....1737.50

Completed and accepted.....1737.50

Usual 35 days.....1737.50

TOTAL COST, \$6,950.00

Bond, \$3475. Sureties, E. V. Lacey & E. Ellington. Limit, 75 days. Forfeit, none. Plans and specifications filed.

FRAME CHURCH

(1330) NE FIFTH AVE & IRVING. One-story frame church and study building.

Owner—Christ Church Lutheran, Inc., Care Architect.

Architect—Ward & Blohne, Alaska Commercial Bldg., S. F.

Contractor—Grace & Bernieri, Claus Spreckels Bldg., S. F.

COST, \$12,300

FRAME DWELLINGS

(1331) S EL PORTAL WAY 224½ & 254½ E Claremont. Two two-story frame dwellings.

Owner—H. A. Roesler, Mills Bldg., San Francisco.

Architect—None.

Contractor—Wm. C. Hamerton & Son, 1301 Waller, San Francisco.

COST, \$5,000 each

ALTERATIONS

(1332) SW FILLMORE & GOLDEN Gate Ave. Alter market and candy store.

Owner—W. W. Rohlfis, 2896 California, San Francisco.

Architect—None.

Contractor—Munster & Bornholdt, 1530 Broderick, San Francisco.

COST, \$4,000

ALTERATIONS

(1333) NO. 1212 MARKET. Alter for garage and sales room.

Owner—B. Schweitzer Estate, 150 Mills Bldg., San Francisco.

Architect—None.

Contractor—Robinson & Gillespie, 1051 Sutter, San Francisco.

COST, \$1,950

ALTERATIONS

(1334) SW JACKSON & SANSOME. Alter stores.

Owner—T. Z. Blackman.

Architect—Bliss & Faville, Balboa Bldg., San Francisco.

Day's work. COST, \$1,000

ALTERATIONS

(1335) NO. 343 MARKET. Alter tailor shop.

Owner—Gordon Tailoring Co., 928 Market, San Francisco.

Architect—N. R. Coulter, 46 Kearny, San Francisco.

Day's work. COST, \$500

ALTERATIONS

(1336) NO. 1918 FRANKLIN. Alter garage.

Owner—Mrs. Simon, Premises.

Architect—Herman Barth, Phelan Bldg., San Francisco.

Contractor—Robinson & Gillespie,
1051 Sutter, San Francisco.

COST, \$475

PLUMBING, ETC.

(1337) S CALIFORNIA 97-6 W Mason
Plumbing, drainage, gas fitting, hose
reels, stand pipe, etc., for eight-
story Class "A" apartments.

Owner—John W. Proctor and Selah
Chamberlain, a Cptn.

Architects—Schwartz & Gross, New
York & Willis Polk, Hobart Bldg.,
San Francisco.

Contractor—Alex Coleman, 706 Ellis,
San Francisco.

Filed ———. Dated July 8, 1919.
On 1st of each month..... 75%
Usual 35 days..... 25%

TOTAL COST, \$21,125

MILL WORK, ETC.

(1338) E BELCHER 100 N 14th N
100xE 125. Carpentry and mill work
for one-story Class "C" garage.

Owner—Thos. O'Day.
Architect—Matthew O'Brien, Fox-
croft Bldg., San Francisco.

Contractor—Anderson & Ringrose,
320 Market, San Francisco.

Filed July 9, '19. Dated July 7, '19.
On 1st and 15th of each month 75%
Usual 35 days..... 25%

TOTAL COST, \$352b

Bond, \$——. Sureties, Mary E. Ring-
rose and Catherine Fennessy. Limit,
70 days. Forfeit, \$20. Plans and
specifications filed.

(1339) CONCRETE WORK ON ABOVE
Contractor—Mission Concrete Co., 331
Guerrero, San Francisco.

Filed July 9, '19. Dated July 1, '19.
Payments same as above.....

TOTAL COST, \$7200

Bond, \$3600. Surety, Fidelity & De-
posit Co. of Maryland. Limit, 35 days.
Forfeit, \$20. Plans and specifications
filed.

BUNGALOWS

(1340) W FORTY-SIXTH AVE 250
and 275 N Fulton. Two five-room
bungalows.

Owner—A. R. Larsan, 246 Delano
Ave., San Francisco.

Architect—None.
Day's work. COST, \$3850 each

ALTERATIONS

(1341) NO. 553-555 SANSOME. Alter
restaurant.

Owner—White Lunch Co., Premises.
Architect—None.

Day's work. COST, \$1500

ALTERATIONS

(1342) NO. 33 HILL. Alter dwell-
ing.

Owner—Mrs. Adams, 3924 19th, S. F.
Architect—None.

Contractor—R. E. Kelly, 168 Hancock
San Francisco.

COST, \$1200

ALTERATIONS

(1343) NO. 928 MARKET. Alter
store.

Owner—Starr Shoe Co., Premises.
Architect—None.

Contractor—Kelly & Co., Premises.
COST, \$1000

ALTERATIONS

(1344) NO. 982 MARKET. Altera-
tions.

Owner—Judge F. W. Crist, Premises.

Architect—E. F. Kreigsmann, 1016
Eddy, San Francisco.

Contractor—Novelty Elec. Sign Co.,
165 Eddy, San Francisco.

COST, \$500

ALTERATIONS

(1345) NO. 2023 FOLSOM. Alter
rooming house.

Owner—A. Harris & Co., 348 Wash-
ington, San Francisco.

Architect—None.
Contractor—L. J. Deibel, 2453 Bu-
chanan, San Francisco.

COST, \$400

ALTERATIONS

(1346) W DIAMOND 30 N 26th.
Alterations.

Owner—Reinhardt Metz, 1190 Dia-
mond, San Francisco.

Architect—None.
Day's work. COST, \$400

HEATING SYSTEM

(1347) SE VAN NESS AVE & UNION
All work for low pressure steam
heating system for three-story and
basement frame apartments.

Owner—D. J. Clancy, 2834 Folsom St.,
San Francisco.

Architect—None.
Contractor—Gilley Schmid Co., Inc.,
198 Otis, San Francisco.

Filed July 10, '19. Dated June 25, '19.
Piping roughed in.....\$500

Completed.....765

Usual 35 days.....421

TOTAL COST, \$1686

Bond, limit, forfeit, plans and spec-
ifications, none.

STEAM SYSTEM

(1348) W JONES — N Sutter. All
work for low pressure steam system
for four-story apartment building.

Owner—D. J. Clancy, 2834 Folsom St.,
San Francisco.

Architect—None.
Contractor—Gilley Schmid Co., Inc.,
198 Otis, San Francisco.

Filed July 10, '19. Dated June 25, '19.
Piping roughed in.....\$250

Completed.....274

Usual 35 days.....174

TOTAL COST, \$698

Bond, limit, forfeit, plans and spec-
ifications, none.

GARAGES

(1349) SW TWENTY-FIRST AND
Treat Ave. All work for making 4
garages in building.

Owner—Catherin Bannan, 2953 21st,
San Francisco.

Architect—None.
Contractor—Mager Bros., 110 Jessie,
San Francisco.

Filed July 10, '19. Dated July 9, '19.
Underpinning done.....\$1000

Completed.....125

Usual 35 days.....375

TOTAL COST, \$1500

Bond, limit, forfeit, none. Plans and
specifications filed.

ALTERATIONS

(1350) SW JACKSON AND WALNUT
No. 101 Walnut. Carpenter work
for alterations and additions to
frame residence.

Owner—J. H. Polhemus, 149 Califor-
nia, San Francisco.

Architect—Smith O'Brien, 742 Market,
San Francisco.

Contractor—P. F. Reilly, 2857 Howard

San Francisco.

Filed July 10, '19. Dated July 9, '19.

On 1st of each month..... 75%

Usual 35 days..... 25%

ACTUAL COST plus 10%; Total not to
exceed \$7950.

Bond, \$4,000. Sureties, J. W. Smith
and P. R. Wood. Limit, 90 days. For-
feit, \$20. Plans and specifications
filed.

(1351) EXCAVATION, CONCRETE,
brick, patent flue, fireplace, marble
work, etc., on above.

Contractor—Emil Hogberg, 249 Edge-
wood Ave. San Francisco.

Filed July 10 '19. Dated July 9 '19.
Contract ½ completed.....\$900

Completed and accepted..... 438

Usual 35 days..... 477

TOTAL COST, \$1785

Bond, \$893. Sureties, Arthur B. Sibley
and G. H. Forbes. Limit, 60 days,
Forfeit, \$10. Plans and specifications
filed.

(1352) PAINTING, PAPERING, ETC.,
on above.

Contractor—L. J. Neal, 455 Hayes St.,
San Francisco.

Filed July 10, '19. Dated July 9, '19.
Completed and accepted.....\$1045

TOTAL COST, \$1045

Bond, none. Limit, 90 days. Forfeit,
\$10. Plans and specifications filed.

FRAME BUILDING, ETC.

(1353) W ALABAMA 200 N 26th; No.
1342 Alabama. All work for tearing
down present building, but leave
store and erect one-story frame
building.

Owner—Frank E. and Emma Kummer
1342 Alabama, San Francisco.

Architect—None.
Contractor—Ed. Zinkand & Son, 434
10th Ave., San Francisco.

Filed July 10, '19. Dated July 9, '19.
Roof on.....\$750

Brown coated..... 750

Completed and accepted..... 750

Usual 35 days..... 750

TOTAL COST, \$3000

Bond, \$1500. Sureties, Karl J. Gunther
and Lawrence Buckley. Limit, 45 days
Forfeit, none. Plans and specifi-
cations filed.

PAINTING, ETC.

(1354) S POST 192-6 W Leavenworth
W 55X8 137-6. Painting, papering,
etc., for four-story and basement
Class "C" brick apartment house.

Owner—Louis D. Stoff, 830 Sutter St.,
San Francisco.

Architect—Albert Schroepfer, Nevada
Bank Bldg., San Francisco.

Contractor—S. Zimmerman, 143 Mars-
Ave., San Francisco.

Filed July 10, '19. Dated June 16, '19.
1st coat on.....\$500

3rd coat on..... 500

Completed and accepted..... 575

Usual 35 days..... 525

TOTAL COST, \$2100

Bond, \$1050. Sureties, Oscar and Alvin
Heyman. Limit, 75 days. Forfeit,
none. Plans and specifications filed.

ALTERATIONS

(1355) NOS. 463-65-67 GUERRERO.
Alter 3 flats into (6) apartments.

Owner—P. J. Gartland, 467 Guerrero,
San Francisco.

Architect—None.
Day's work. COST, \$4000

FRAME RESIDENCE

(1356) NE FOURTEENTH AVE AND Wawona. Two-story frame residence.
Owner—Fernando Nelson & Sons, 2701 Lincoln Way. S. F.
Architect—None.
Day's work. COST, \$3500

ALTERATIONS

(1357) NO. 831 OAK. Alter residence.
Owner—Geo. Dryden.
Architect—Bliss & Faville, Balboa Bldg., San Francisco.
COST, \$1850

ALTERATIONS

(1358) NO. 780 HAIGHT. Alter residence.
Owner—John F. Buetler, Premises.
Architect—None.
Day's work. COST, \$1000

ALTERATIONS

(1359) S LAUSSAT 117½ W Buchanan. Alter private garage.
Owner—E. W. Strange, 222 Waller, San Francisco.
Architect—None.
Contractor—Thos. C. Christian.
COST, \$1000

ALTERATIONS

(1360) NO. 128 LEADLY. Alter dwelling.
Owner—C. S. Smith, Premises.
Architect—None.
Contractor—Thos. M. Cormick, 25 Gladys, San Francisco.
COST, \$650

GARAGE

(1361) E MOSS — S Howard. One-story frame private garage.
Owner—R. W. McElroy, 606 Phelan Bldg., San Francisco.
Architect—None.
Day's work. COST, \$500

GARAGE

(1362) N LAKE 82-6 W 25th Ave. One-story frame garage.
Owner—Mrs. D. E. Gales, Premises.
Architect—None.
Contractor—E. H. Denke, 1318 Hyde, San Francisco.
COST, \$475

EXCAVATION, ETC.

(1363) NW LAUREL & WASHINGTON 82-6xN 100. Excavation, footings and retaining wall for Class "A" building.
Owner—C. J. Hillard, 19th and Minnesota, San Francisco.
Architect—Alfred Henry Jacobs, 110 Sutter, San Francisco.
Contractor—R. J. H. Forbes, 681 Market, San Francisco.

Filed June 11, '19. Dated June 11, '19.
Completed and accepted.....\$2550
Usual 35 days.....850
TOTAL COST, \$3400

Bond, \$3400. Surety, New Amsterdam Casualty Co. Limit, July 14, 1919.
Forfeit, none. Plans and specifications filed.

GARAGE

(1364) E VALENCIA 101-0% S 25th S 33-5¼x E 117-6. All work for one-story Class "C" private garage.
Owner—J. A. Christen & Sons, 1427 Valencia, San Francisco.
Architect—Martin A. Sheldon, 110 Sutter, San Francisco.

Contractor—A. H. Wilhelm, 180 Jessie San Francisco.

Filed July 11, '19. Dated July 10, '19.
Brick walls ready for trusses and concrete girders.....\$1933
Completed and accepted.....1934
Usual 35 days.....1290

TOTAL COST, \$5157
Bond, \$2579. Sureties, Arthur B. Sibbey and S. M. Zimmerman. Limit, 35 days. Forfeit, \$10. Plans and specifications filed.

ALTERATIONS

(1365) N BAY 100 E Taylor. Alter warehouse.
Owner—Albers Bros. Milling Co., Premises.
Architect—None.

Contractor—H. P. Hoyt Co., 822 Monadnock Bldg., S. F.
COST, \$3000

EXCHANGE BLDG.

(1366) NINETEENTH & VALENCIA. One-story frame battery exchange.
Owner—Julius Brunton & Son, Golden Gate near Van Ness, S. F.
Architect—L. M. Gardner, 180 Jessie, San Francisco.
Contractor—Cameron & Disston, Hearst Bldg., San Francisco.
COST, \$2500

ALTERATIONS

(1367) NE SEVILLE AND NAPLES. Alter residence.
Owner—Crocker Estate Co., Crocker Bldg., San Francisco.
Architect—None.
Contractor—A. M. Samuelson, 3732 21st, San Francisco.
COST, \$2000

ALTERATIONS

(1368) NW BUSH AND JONES. Alter store.
Owner—Central Pacific Land & Lumber Co., Monadnock Bldg., S. F.
Architect—Rousseau & Rousseau, 110 Sutter, San Francisco.
Contractor—O. C. Holt, 110 Jessie, San Francisco.
COST, \$1900

ALTERATIONS

(1369) E NAPLES 25 N Seville. Alter residence.
Owner—Crocker Estate Co., Crocker Bldg., San Francisco.
Architect—None.
Contractor—A. M. Samuelson, 3732 21st, San Francisco.
COST, \$1800

ALTERATIONS

(1370) NO. 18 SIXTH AVE. Alter and erect garage.
owner—Ben Baum, Premises.
Architect—Alfred H. Jacobs, 110 Sutter, San Francisco.
Contractor—Ira W. Coburn, 180 Jessie, San Francisco.
COST, \$940

ALTERATIONS

(1371) SE TAYLOR AND WATER. Alter dwelling.
Owner—Angela Buzzolaro et al, 401 Columbus Ave., San Francisco.
Architect—None.
Day's work. COST, \$850

ALTERATIONS

(1372) NOS. 246-268 POST. All work for alterations & additions to stores.
Owner—S. & G. Gump Co., Premises.

Architect—Sam L. Hyman, Crocker Bldg., San Francisco.

Contractor—Barrett & Hilp, Sharon Bldg., San Francisco.

Filed July 12, '19. Dated July 11, '19.
Rough work on North and East mezzanine done.....\$2717
Rough work on West and South mezzanine done.....2717
Completed and accepted.....2717
Usual 35 days.....2717

TOTAL COST, \$10,868
Bond, none. Limit, 42 days after July 14. Forfeit, \$50. Plans and specifications filed.

REPAIRS

(1373) N TWENTY-FOURTH 110 E Castro N114x E 75. All work for repairs to building damaged by fire.
Owner—Jos. and Ann Nora Mullan, 4178 25th, San Francisco.
Architect—None.

Contractor—Jas. B. McSheehy, 242 Upper Terrace, San Francisco.

Filed July 12, '19. Dated July 11, '19.
Gravel roof on.....\$400
Building plastered.....400
Completed and accepted.....450
TOTAL COST, \$1250

Bond, none. Limit, 60 days. Forfeit, none. Plans and specifications filed.

COMPLETION NOTICES.

San Francisco County.

RECORDED ACCEPTED

July 7, 1919—E VALENCIA 100 S 14th S 100 E 135 N 50 E 80 N 50 W 215. San Francisco Casket Co to White & Gloor.....Feb. 24, 1919
July 7, 1919—W HOMESTEAD 85 N 25th N 25xW 125. W Homestead 60 N 25th N 25xW 75. Michael McDonough and Lawrence Costello to whom it may concern.....

.....July 7, 1919

July 8, 1919—S VALLEY 180 E Noe The Greater City Lumber Co to H J Ohlson.....July 2, 1919

July 9, 1919—LOTS 12, 13 AND 14 Blk 8, St. Francis Wood Extn No. 1. Mrs S E Heckscher to John Morton.....July 9, 1919

July 9, 1919—LOTS 13 AND 14 BLK 8, St. Francis Wood Extn No. 1. Mrs. S E Heckscher to John Morton.....June 17, 1919

July 10, 1919—SE STEVENSON 225 NE Ninth NE 50 SE 96-6 SW 56 NW 21-6 NE 6 NW 75. Margt Bell to whom it may concern.....July 10, '19

July 10, 1919—E ARGUELLO BLVD 50-32 S Turk S 25.16x E 100. Thos F Bell to whom it may concern.....July 10, 1919.

July 11, 1919—NW EIGHTEENTH Ave and Anza W 82-6xN 25. Paul E Chapman to John Johnson.....July 10, 1919

July 11, 1919—SW NINETEENTH & Illinois W 200xS 200. M and Max Levin to M Levin & Sons.....July 10, 1919

.....July 10, 1919

NOTICE OF NON-RESPONSIBILITY.

San Francisco County.

July 10, 1919—SW NINETEENTH & Valencia S 50xW 100. Anthony F and Rose C Wohlfahrt as to improvements on leased property....

BUILDING CONTRACTS

Alameda County.

The following is an index for the contracts for this issue:

No.	Owner	Contractor	Amt.
1380	Vaughn	Vaughn	21992
1381	Cormack	Cormack	2800
1382	Brooklyn Ch.	Owner	500
1383	Hing	Nick	400
1384	Imperial	Owner	400
1385	Friend	Owner	3400
1386	Kirk	Swenson	1900
1387	Werner	Werner	1500
1388	Kuitala	Kuitala	1000
1389	Steiner	Fisher	400
1390	Wynanson	Gossett	750
1391	Hotaling	Lee	400
1392	Praugh	Baker	1770
1393	Pfrang	Pfrang	5000
1394	Schultz	Jespersion	3000
1395	Nelson	Nelson	2250
1396	Pickelman	Allen	730
1397	Rands	Russell	500
1398	Andrade	Andrade	400
1399	McDougall	David	2877
1400	Abenfeld	Brennen	2400
1401	Haslett	Scammon	2000
1402	20th Century	Engler	500
1403	Best	Bowers	400
1404	Clark	Creamile	400
1405	Weber	Sorenson	15713
1406	Smith	Weider	31500
1407	Isaacson	Wieben	4500
1408	Pfrang	Pfrang	3500
1409	Faulkner	Baccus	1000
1410	O'Neill	Cal. Bldrs	1500
1411	Calder	Champany	476
1412	Thomas	Thomas	3400
1413	Heathcote	Allen	700
1414	Freeman	Cederborg	10038
1415	Nat'l Lead	Hoyt	7200
1416	Short	Short	2500
1417	Bauman	Owner	2000
1418	Pirebaugh	Standard	675
1419	Not Given	Schely	500
1420	Covert	Owner	500
1421	Thwing	Pedgrift	500
1422	Plunkett	Owner	500
1423	Seoble	Seoble	400
1424	Foelker	Owner	400
1425	Bowman	Kulchar	400
1426	Robinson	Kern	4300
1427	Brazier	Owner	2450
1428	Obetland	Owner	400
1429	Halley	Fish	7500
1430	Hackett	Randlett	400
1431	Hurst	Koff	4250
1432	Miller	Miller	2500
1433	Thomsen	Healy	2000
1434	Crystal Lndry	Fortin	2000
1435	Merithew	Merithew	1500
1436	Anderson	Malmstrom	1485
1437	Stevens	Irish	900
1438	Lichenstein	Duncan	500
1439	City of Bkly.	Sorensen	2250
1440	Grats	Neppach	400
1441	Vallero	Owner	4500
1442	Christensen	Owner	2850
1443	City of Okd.	Faulkes	2400
1444	Same	Same	2000
1445	Cornell	Westlund	1100
1446	Theodoropoulos	Hudson	550
1447	Carter	Carter	450
1448	Anderson	Anderson	400
1449	Johnson	Ramos	400
1450	Martinelli	MacLeod	400
1451	Benard	Pedgrift	400
1452	Holden	Marshall	800
1453	Block	Block	4750
1454	Baker	Baker	2800
1455	Durgen	Kidder	470
1456	Meads	Nelson	10969

FLATS

(1380) S FORTIETH 285 and 325 W Telegraph Ave., Oakland. Two two-story 14-room flat buildings.
Owner—M. C. Vaughn, 5833 Ayala, Oakland.

Architect—None.
Day's work. COST, \$10,496 each

DWELLING

(1381) SW FORTY-SECOND AND Opel, Oakland. One-story 6-room dwelling.

Owner—C. Cormack, 391 43rd, Okd.
Architect—None.
Day's work. COST, \$2800

ADDITION

(1382) S E-FIFTEENTH 80 W 12th Ave., Oakland. Addition.
Owner—Brooklyn Presbyterian Church, Premises.

Architect—None.
Day's work. COST, \$500

ALTERATIONS

(1383) NO. 732 WEBSTER, Oakland. Alterations.
Owner—Chin Hing, Premises.
Architect—None.
Contractor—Sam Nick, 603 Harrison, Oakland. COST, \$400

OIL STATION

(1384) W WEBSTER 365 N 14th, Oakland. One-story brick oil station.
Owner—Imperial Garage, Premises.
Architect—None.
Day's work. COST, \$400

DWELLING

(1385) W THE ALAMEDA 320 N Solano, Berkeley. One-story 6-room dwelling.
Owner—Geo. Friend, Escondito & San Diego Road, Berkeley.
Architect—Noble Newsom, NW Crescent Ave. and B St., Berkeley.
Day's work. COST, \$3400

DWELLING

(1386) HASTE NO. 2027 (rear), Berkeley. One-story 5-room dwelling.
Owner—Sarah A. Kirk, Premises.
Architect—None.
Contractor—P. A. Swenson, 1241 14th, Oakland. COST, \$1900

DWELLING

(1387) W EDWARDS 213 N Dwight Way, Berkeley. One-story 5-room dwelling.
Owner—Chas. A. Werner, 2416 10th, Berkeley.

Architect—None.
Day's work. COST, \$1500

DWELLING

(1388) E BYRON 340 N Allston Way, Berkeley. One-story 4-room dwlg.
Owner—John Kuitala, 2318 10th, Bkly.
Architect—None.
Day's work. COST, \$1000

ALTERATIONS

(1389) NO. 2736 PRINCE, Berkeley. Alterations.
Owner—A. F. Steiner, Premises.
Architect—None.
Contractor—G. A. Fisher, 2918 Domingue Ave., Berkeley. COST, \$400

ADDITION

(1390) NO. 1442 BAY, Alameda. Addition.

Owner—C. Wynanson, Premises.
Architect—None.
Contractor—C. A. Gossett, 1713 Nason, Alameda. COST, \$750

GARAGE

(1391) NO. 1221 SHERMAN, Alameda. Garage.
Owner—Hotaling Estate, Merchants' Exchange Bldg., S. F.
Architect—None.
Contractor—Samuel Lee, 1832 San Antonio Ave., Alameda. COST, \$400

PAINTING

(1392) SW CHESTNUT AND SAN Antonio Ave., Alameda. All work for painting.
Owner—Rev. J. B. Praught, 1931 San Antonio Ave., Alameda.
Architect—Cunningham & Politeo, 1st National Bank Bldg., S. F.
Contractor—W. T. Baker Co., 520 Walsworth Ave., Oakland.
Filed July 7, '19. Dated July 2, '19.
On 1st and 15th of each month 75%
Usual 35 days. TOTAL COST, \$1770
Bond, none. Limit, Aug. 15. Forfeit, \$25. Plans and specifications, none.

DWELLING

(1393) S OCEAN VIEW DRIVE 520 E College Ave., Oakland. Two-story 8-room dwelling.
Owner—H. C. Pfrang, 5507 College Ave., Oakland.
Architect—None.
Day's work. COST, \$5000

DWELLING

(1394) S CHABOT ROAD 40 W Hearn Oakland. One-story 5-room dwlg.
Owner—R. H. Schultz, Oakland.
Architect—None.
Contractor—Jespersion & Dippe, 878 54th, Oakland. COST, \$3000

DWELLING

(1395) N HAYES 288 E 62nd Ave., Oakland. One-story 5-room dwlg.
Owner—N. A. Nelson, 1805 Elm, Ala.
Architect—None.
Day's work. COST, \$2250

ALTERATIONS

(1396) NO. 1921 EIGHTY-FOURTH Ave., Oakland. Alterations.
Owner—C. H. Pickelman, Premises.
Architect—None.
Contractor—T. E. Allen, 2718 Regent, Berkeley. COST, \$780

ALTERATIONS

(1397) NO. 343 THIRTEENTH, Oakland. Alterations.
Owner—Rands Bros., 484 12th, Okd.
Architect—None.
Contractor—Clark Russell, 548 Linden St., San Francisco. COST, \$500

SHED

(1398) N E-THIRTY-FIRST 200 E 14th Ave., Oakland. Shed.
Owner—M. Andrade, 1550 E-31st, Okd.
Architect—None.
Day's work. COST, \$400

RESIDENCE

(1399) MORAGA AVE & BONITA, Piedmont. One-story frame residence and garage.
Owner—W. McDougall, 1335 St. Charles, Alameda.

Architect—None.
Contractor—W. J. David, 2428 Linden,
Oakland.

COST, \$2877.50

DWELLING

(1400) S BURNETTE 120 W Mabel,
Berkeley. One-story 5-room dwlg.
Owner—Ahnefeldt & Brennen, 3108
Harper, Berkeley.
Architect—None.
Day's work.

COST, \$2400

DWELLING

(1401) W MILVIA 400 N Berryman,
Berkeley. One-story 4-room dwlg.
Owner—Emily Haslett, 2120 Kittridge
Berkeley.
Architect—None.
Contractor—C. F. Scammon, 2070 Uni-
versity Ave., Berkeley.

COST, \$2000

ADDITION

(1402) S DERBY — E College Ave.,
Berkeley. Addition.
Owner—20th Century Club, Premises.
Architect—None.
Contractor—Louis Engler, 2435 Col-
lege Ave., Berkeley.

COST, \$500

ALTERATIONS

(1403) NO. 2624 CHANNING WAY,
Berkeley. Alterations.
Owner—Margaret J. Best, 1435 10th
Ave., San Francisco.
Architect—None.
Contractor—Fred Bowers, 2027 Chan-
ning Way, Berkeley.

COST, \$400

GARAGE

(1404) NO. 2320 LE CONTE, Ber-
keley. Garage.
Owner—E. H. Clark, Hearst Bldg.,
San Francisco.
Architect—None.
Contractor—Creagmile & Sons, 2912
Shattuck Ave, Berkeley.

COST, \$400

FRAME DWELLING

(1405) CLAREMONT COURT, Ber-
keley. All work for two-story and
basement frame dwelling.
Owner—Mrs. C. F. Weber, 2925 Rus-
sell, Berkeley.
Architect—W. H. Rateliff Jr., 1st Nat-
ional Bank Bldg., Berkeley.
Contractor—Walter Sorenson, 3219
Ellis, Berkeley.

Filed July 8, '19. Dated _____
Contractor to receive \$1000 at end
of job

TOTAL COST, not over, \$15,713
Bond, \$7857. Surety, Maryland Casu-
alty Co. Limit, none. Forfeit, none.
Plans and specifications filed.

FRAME APARTMENTS

(1406) SE GRAND AVE AND ELLITA
Ave E 60 th at right angles 120,
Oakland. All work for three-story
frame apartments.
Owner—Ruth M. Smith.
Architect—None.
Contractor—H. H. Weider, 530 Jones,
Oakland.

Filed July 7, '19. Dated July 2, '19.
1st floor joists up.....\$4500
3rd floor joists up.....4500
Roof on.....4500
Frown coated.....4500
Ready for finish.....4500
Completed.....4500

Usual 35 days.....4500

TOTAL COST, \$31,500
Bond, \$15,750. Surety, Hyman Steen.
Limit, 120 days. Forfeit, none. Plans
and specifications filed.

DWELLING

(1407) W TWENTY-EIGHTH AVE
56 N E-16th, Oakland. Two-story
7-room dwelling.
Owner—E. Isaacson, 2003 Mitchell,
Oakland.
Architect—None.
Contractor—Alex C. Wieben, 1919
Fruitvale Ave., Oakland.

COST, \$4500

DWELLING

(1408) N BROOKLYN AVE 100 E
Zorah, Oakland. One-story 6-room
dwelling.
Owner—C. J. Pfang, 5487 Claremont
Ave., Oakland.
Architect—None.
Day's work.

COST, \$3500

ALTERATIONS

(1409) NO. 2336 WEBSTER, Oakland
Alterations.
Owner—Geo. A. Faulkner, Premises.
Architect—None.
Contractor—W. J. Baccus, 565 16th,
Oakland.

COST, \$1000

GARAGES

(1410) S STANFORD AVE 100 E San
Pablo Ave., Oakland. Three ga-
rages.
Owner—Wm. O'Neill, 1082 57th, Okd.
Architect—None.
Contractor—California Builders Co.,
1534 Franklin, Oakland.

COST, \$500 each

ADDITION

(1411) NO. 2022 E-TWENTY-THIRD,
Oakland. Addition.
Owner—Mrs. Calder, Premises.
Architect—None.
Contractor—Champney Bros., 5222
Dover, Oakland.

COST, \$476

DWELLING

(1412) W THE ALAMEDA 220 N
Solano, Berkeley. One-story 6-room
dwelling.
Owner—R. W. Thomas, Care Geo.
Friend Co., Berkeley.
Architect—Noble Newsom, Yosemite
and Crescent Ave., Berkeley.
Day's work.

COST, \$3400

GARAGE

(1413) NO. 2934 AVALON AVE., Ber-
keley. Garage.
Owner—B. Heathcote, Premises.
Architect—None.
Contractor—F. E. Allen, 2718 Regent,
Berkeley.

COST, \$700

GARAGE

(1414) POINT 50 FEET FROM NW
Cor. Ridge Road and Le Roy Ave. N
100xW 50, Berkeley. All work ex-
cept ornamental iron and lamps for
two-story brick veneer private ga-
rage and living apartments.
Owner—A. G. Freeman, Le Roy Ave.
and Ridge Road, Berkeley.
Architect—Clarence A. Tanau, Clunie
Bldg., San Francisco.
Contractor—A. Cederborg, 1445 E-37th
St., Oakland.

Filed July 9, '19. Dated July 2, '19.
On 1st of each month.....75%
Usual 35 days.....25%
TOTAL COST, \$10,038
Bond, \$5019. Surety, Fidelity & Casu-
alty Co. Limit, 70 days. Forfeit, none.
Plans and specifications filed.

OIL TANK, ETC.

(1415) FORTY-SEVENTH AVE AND
E-10th, Oakland. Two-story 4-room
welfare building and concrete oil
tank.
Owner—National Lead Co. of Cali-
fornia, Premises.
Architect—None.
Contractor—H. P. Hoyt & Co., 822
Monadnock Bldg., S. F.

COST, \$7200

DWELLING

(1416) N ALLENDALE AVE 35 W
Octavia, Oakland. One-story five-
room dwelling.
Owner—Louise H. Short.
Architect—None.
Contractor—C. W. Short, 245 Acton
Place, Oakland.

COST, \$2500

DWELLING

(1417) N HILLSIDE 40 W 78th Ave.,
Oakland. One-story 6-room dwlg.
Owner—Fred Baumann, 2000 45th
Ave., Oakland.
Architect—None.
Day's work.

COST, \$2000

GARAGE

(1418) W MONTECITO AVE 140 S
Newton Ave., Oakland. Garage.
Owner—Chas. L. Firebaugh, 187
Montecito Ave., Oakland.
Architect—None.
Contractor—Standard Constr. Co.,
New Call Bldg., San Francisco.

COST, \$675

RESHINGLING

(1419) NO. 1532 TWELFTH AVE.,
Oakland. Reshingling.
Owner—, Premises.
Architect—None.
Contractor—Karl Schley, 1155 E-14th,
Oakland.

COST, \$500

ALTERATIONS

(1420) NO. 3030 PERALTA AVE.,
Oakland. Alterations.
Owner—Mrs. M. Covert, Premises.
Architect—None.
Day's work.

COST, \$500

GARAGE

(1421) NO. 1067 CLARENDON CRES-
cent, Oakland. Garage.
Owner—Capt. M. Thwing, Premises.
Architect—None.
Contractor—Jas. H. Pedgrift, 565 16th
Oakland.

COST, \$500

ADDITION

(1422) NE ELEVENTH AVE AND E-
14th, Oakland. Addition.
Owner—Dr. J. A. Plunkett, 1108 E-
14th, Oakland.
Architect—None.
Day's work.

COST, \$500

DWELLING

(1423) LEONA AND MOUNTAIN
View Ave., Oakland. One-story 2-
room dwelling.
Owner—Richard G. Seoble, R. F. D.,
Route 1, Box 215, Oakland.
Architect—None.
Day's work.

COST, \$400

ALTERATIONS

(1424) NO. 1933 HARRISON, Oakland. Alterations and addition.

Owner—O. G. Foelker, Premises.
Architect—None.
Day's work. COST, \$400

ALTERATIONS

(1425) SW THIRTEENTH AVE & E-14th, Oakland. Alterations.

Owner—Bowman Drug Co., Premises.
Architect—None.
Contractor—S. Kulchar & Co., 8th Ave. and E-10th, Oakland.
COST, \$400

DWELLING

(1426) W CONTRA. COSTA AVE 75 S Bridge, Berkeley. One and one-half-story 7-room dwelling.

Owner—George E. Robinson, Cloyne Court, Berkeley.
Architect—None.
Contractor—H. F. Kern, 2064 Los Angeles Ave., Berkeley.
COST, \$4300

DWELLING

(1427) E BONAR 195 S Channing Way, Berkeley. One-story 5-room dwelling.

Owner—Jas. W. Brazier, 1251 Channing Way, Berkeley.
Architect—None.
Day's work. COST, \$2450

BARN

(1428) NO. 1102 EIGHTH, Berkeley. Barn.

Owner—Otto J. Ohetland, Premises.
Architect—None.
Day's work. Cost, \$400

DWELLINGS

(1429) NOS. 1206-10-14 FOUNTAIN, Alameda. Three one-story 5-room dwellings.

Owner—Hally & Co., 2315 Santa Clara Ave., Alameda.
Architect—None.
Contractor—M. H. Fish, 1340 Versailles Ave., Alameda.
COST, \$2500 each

ADDITION

(1430) NO. 1216 SANTA CLARA AV Alameda. Addition.

Owner—Frank H. Hackett, Premises.
Architect—None.
Contractor—E. C. Randlett, 1534 Chestnut, Alameda.
COST, \$400

DWELLING

(1431) NO. 937 EXCELSIOR, Oakland. One and one-half-story 10-room dwelling.

Owner—S. G. Hurst, 4288 Gilbert, Oakland.
Architect—None.
Contractor—Ben F. Kopf, 1015 82nd Ave., Oakland.
COST, \$4250

DWELLING

(1432) E TWENTY-FIFTH AVE 465 N E-24th, Oakland. One-story five-room dwelling.

Owner—Chas. A. Miller, 4542 E-14th, Oakland.
Architect—None.
Day's work. COST, \$2500

DWELLING

(1433) E VICKSBURG 100 S Bond, Oakland. One-story 4 room dwlg.
Owner—J. W. Thomson, S. F.
Architect—None.

Contractor—P. J. Healy, 842 37th, Okd
COST, \$2000

BOILER ROOM, ETC.

(1434) W CHESTNUT bet. 22nd and 24th, Oakland. Brick boiler room and boiler.

Owner—Crystal Laundry Co., Prem.
Architect—None.
Contractor—O. V. Fortin, 2359 Waverly, Oakland.
COST, \$2000

DWELLING

(1435) N FAVOR 300 W 73rd Ave., Oakland. One-story 5-room dwlg.

Owner—T. H. Merithew, 1331 Brush, Oakland.
Architect—None.
Day's work. COST, \$1500

DWELLING

(1436) S BROOKDALE AVE 300 E Peralta Ave., Oakland. One-story 3-room dwelling.

Owner—A. Anderson, 3233 Brookdale Ave., Oakland.
Architect—None.
Contractor—J. B. Malmstrom, 2326 27th Ave., Oakland.
COST, \$1485

ALTERATIONS

(1437) NO. 482 A ST., Oakland. Alterations.

Owner—M. Stevens, 438 15th, Okd.
Architect—None.
Contractor—H. E. Irish, 2214 Clement Ave., Alameda.
COST, \$900

GARAGE

(1438) W EUCLID AVE 250 S Palm, Oakland. Garage.

Owner—S. Lichenstein.
Architect—None.
Contractor—W. C. Duncan Co., Sharon Bldg., San Francisco.
COST, \$500

COMFORT STATIONS

(1439) BERRYMAN & SHATTUCK Ave., Berkeley. Two one-story concrete comfort stations.

Owner—City of Berkeley.
Architect—W. H. Ratcliff Jr., 1st National Bank Bldg., Berkeley.
Contractor—Walter Sonensen, 3219 Ellis, Berkeley.
COST, \$2250

(1440) NOS. 3256-58 FOOTHILL Blvd., Berkeley. Alterations.

Owner—Grats & Neppach.
Architect—None.
Day's work. COST, \$400

(1441) SE FLORIDA AND MAPLE Ave., Oakland. One-story 6-room dwelling.

Owner—H. L. Valleroy, 1432 Union, Oakland.
Architect—None.
Day's work. COST, \$4500

DWELLING

(1442) S EL CENTRO 260 N Edgewood, Oakland. One-story 5-room dwelling.

Owner—J. P. Christensen, 3837 Brighton, Oakland.
Architect—None.
Day's work. COST, \$2850

SCHOOLS

(1443) THOMAS AND MONROE, Oakland. Two one-story one-room schools.

Owner—City of Oakland.

Architect—John.
Contractor—John R. Faulkes, 9828 E-14th, Oakland.
COST, \$1200 each

SCHOOLS

(1444) W CLAREMONT AVE 300 N College Ave., Oakland. Two one-story 1-room schools.

Owner—City of Oakland.
Architect—None.
Contractor—John R. Faulkes, 9828 E-14th, Oakland.
COST, \$1200 each

ALTERATIONS

(1445) No. 1025 BELLA VISTA AVE Oakland. Alterations.

Owner—E. P. Cornell.
Architect—None.
Contractor—Fred J. Westlund, 2207 10th Ave., Oakland.
COST, \$2000

ADDITION

(1446) NO. 1825 E-FIFTEENTH, Oakland. Addition.

Owner—A. Theodoropoulos, Premises.
Architect—None.
Contractor—L. G. Hudson, 3458 Fruitvale Ave., Oakland.
COST, \$1100

DWELLING

(1447) S SYLVAN AVE 300 E Laurel Ave., Oakland. One-story 4-room dwelling.

Owner—Earl Carter, 4052 Auga Vista Ave., Oakland.
Architect—None.
Day's work. COST, \$550

REPAIRS

(1448) NO. 2715 SIXTY-FIRST Ave., Oakland. Fire repairs.

Owner—Peter Anderson, 1702 73rd Ave., Oakland.
Architect—None.
Day's work. COST, \$450

ADDITION

(1449) NO. 2217 E-THIRTY-NINTH, Oakland. Addition.

Owner—Charlie Johnson, Premises.
Architect—None.
Contractor—Wm. R. Ramos, 959 Arlington Ave., Oakland.
COST, \$400

ADDITION

(1450) NO. 1825 TENTH, Oakland. Addition.

Owner—M. Martinelli, Premises.
Architect—None.
Contractor—MacLeod Bros., 1727 7th, Oakland.
COST, \$400

ALTERATIONS

(1451) NO. 2618 DURANT AVE., Berkeley. Alterations.

Owner—H. J. Bernard, Premises.
Architect—None.
Contractor—Jas. H. Pedgrift, 565 16th, Oakland.
COST, \$400

ADDITION

(1452) NO. 2810 CLAREMONT BLVD Berkeley. Addition.

Owner—J. Holden, Premises.
Architect—None.
Contractor—J. A. Marshall, 2967 Avalon, Berkeley.
COST, \$800

FRAME DWELLING

(1453) YORK DRIVE, Piedmont. Two-story frame dwelling.

Owner—Peter Block, 109 Arbor, Okd.
Architect—None.
Day's work. COST, \$4750

FRAME DWELLING
(1454) LOT 17 LAKEWOOD PARK,
Piedmont. One-story frame dwlg.
Owner—W. J. Baker, 546 30th, Okd.
Architect—None.
Day's work. COST, \$2200

REPAIRS
(1454) NO. 1919 ADDISON, Berkeley
Fire repairs.
Owner—Frank Durgen, Berkeley.
Architect—None.
Contractor—H. C. Kidder, 2075 Addison, Berkeley.
COST, \$470

GARAGE
(1456) W MARKET 162-6 N Eighth
N 62-6xW 125, Oakland. All work
for one-story brick garage.
Owner—O. J. Meads, 1635 92nd Ave.,
Oakland.
Architect—Chas. W. McCall, Central
Bank Bldg., Oakland.
Contractor—H. P. Nelson, 2241 Grove,
Oakland.
Filed July 12, '19. Dated July 12, '19.
Walls 10 feet high. \$1650
Trusses in 1500
Walls completed 2000
Floor poured 1600
Completed and accepted 1419
Usual 35 days 2800
TOTAL COST, \$10,969
Bond, \$5485. Sureties, Laura B. and
Wm. Nelson. Limit, 70 days. Forfeit,
\$.50. Plans and specifications filed.

OAKLAND BUILDING SUMMARY FOR MONTH OF JUNE, 1919.

Classification of Buildings	No. of Permits	Costs
1-story dwellings.....	84	\$211,303
1½-st dwellings.....	14	44,610
2-story dwellings.....	12	74,482
2-story apartments.....	2	19,600
2-story steel frame dance pavilion and stores	1	150,000
3-st concrete fr factory	1	21,000
1-st reinforced concrete & frm factory	1	14,000
1-st concrete garages	3	13,075
1-st brick garages.....	3	30,000
1-st moving picture theatre & stores.....	1	15,000
Electric signs.....	14	5,060
Foundation for 4-st Class "C" building.	1	5,000
Caravages & shed.....	77	15,698
2-story barn.....	1	250
Additions.....	47	37,125
Alterations & repairs.....	89	48,579
Total.....	351	\$704,782
SUMMARY.		
New construction.....	262	\$656,203
Alterations & repairs.....	89	48,579
Total.....	351	\$704,782

NOTICE OF NOTICES.

Alameda County.

Recorded Accepted
July 3, 1919—W FRANKLIN 100.6
N 15th N 100xW 150, Okd. Pacific
Telephone & Telegraph Co to Otis
Elevator Co..... June 27, 1919
July 3, 1919—S FIFTY-NINTH 87-6
W Dover 41.33x60, Oakland. I E
Thayer Realty Co to whom it

may concern..... July 3, 1919
July 9, 1919—NO. 1464 EIGHTY-
eighth Ave being Lot 14 Map
Madison Square, Okd. Robert
Cheli to whom it may concern.....
..... July 9, 1919
July 10, 1919—N MATHER 150 W
Gibert, Oakland. Mrs Capt J P
Hansen to Edward Olsen July 1, '19
July 10, 1919—NO. 2736 THIRTY-
fifth Ave being SW Allendale Ave
and SE 35th Ave SW 50xSE 95,
Okd. Joseph and Julia May Le
Barse to J B Petersen June 25, 1919
July 10, 1919—S WEBSTER 849.16
W Claremont Ave 45x135, Bkly.
W V Strong to Ben Pearson.....
..... July 9, 1919

BUILDING CONTRACTS.

Fresno County.

FRAME DWELLING
LOT 49, Producers Col., Fresno. All
work for frame dwelling.
Owner—L. R. Hamilton.
Architect—None.
Contractor—G. H. Stivers.
Filed July 8, '19. Dated June 23, '19.
Ready for roof..... ¾
Plastered..... ¾
Completed..... ¾
Usual 35 days..... ¾
TOTAL COST, \$3867
Bond, \$2321. Sureties, Geo. F. Brashear and W. S. Jones. Limit, 90 days.
Forfeit, none. Plans and specifications
filed.

FRAME DWELLING
JEFFERSON COLONY, Fresno. All
work for two-story brick and frame
dwelling.
Owner—G. A. Spiropoulos, 1257 "F" St.,
Fresno.
Architect—Coates & Traver, 627
Howell Bldg., Fresno.
Contractor—Joe Lo Forti, 804 "B" St.,
Fresno.
Filed June 30, '19. Dated June 28, '19.
Foundation in..... \$1050
Frame work up..... 1200
Brick work done..... 1500
Plastered..... 1500
Completed..... 1500
Usual 35 days..... 2250
TOTAL COST, \$9000
Bond, \$4500. Sureties, G. Malanca &
John Chiodi. Limit, 90 days. Forfeit,
\$.50. Plans and specifications filed.

FRAME DWELLING
LOT 15 BLK 24, Alta Vista, Fresno.
Frame dwelling and garage.
Owner—J. A. Starkel, 729 G St.,
Fresno.
Architect—None.
Contractor—Reese & Atkins, 3643
Platt St., Fresno.
COST, \$7500

DWELLING
LOTS 17 AND 18 BLK 88, Fairmont,
Fresno. Dwelling.
Owner—J. G. Ralls, 125 Modoc St.,
Fresno.
Architect—None.
Day's work. COST, \$2000

FRAME DWELLING
LOTS 19 AND 20 BLK 87, Fairmont,
Fresno. Frame dwelling.
Owner—W. R. Ralls, 125 Modoc St.,
Fresno.
Architect—None.
Day's work. COST, \$2500

MORGUE
LOTS 15 AND 16 BLK 369, Fresno.
Morgue.
Owner—Lisle & Ross, 1360 Van Ness
St., Fresno.
Architect—None.
Contractor—J. R. Church, 221 North U
St., Fresno.
COST, \$3500

FRAME DWELLINGS, ETC.
LOTS 2 AND 6 BLK 35; LOTS 2, 5 &
7 Blk 34; Lots 3, 4, 5 Blk 33, Fresno.
Eight frame dwellings and garages.
Owner—Fresno Bldg. Corp., Fresno.
Architect—None.
Contractor—W. H. Ackerman, 3620
Kerckhoff St., Fresno.
COST, \$2950 each

DWELLING
NO. 731 BELMONT ST., Fresno.
Frame dwelling and garage.
Owner—Ballsmith & Blosser, Fresno.
Architect—None.
Contractor—Dan Blosser, 161 Black-
stone St., Fresno.
COST, \$5000

DWELLING
LOT "B" BLK 6, Fresno. Frame
dwelling and garage.
Owner—O. W. Davis, 205 Cory Bldg.,
Fresno.
Architect—None.
Contractor—C. V. Smith, 1055 J St.,
Fresno.
COST, \$7000

DWELLING
LOT 11 BLK 6, Alta Vista Tract,
Fresno. Frame dwelling & garage.
Owner—F. E. Reddin, Fresno.
Architect—None.
Contractor—C. V. Smith, 1055 J St.,
Fresno.
COST, \$3800

DWELLING
LOT 1 BLK 16, Alta Vista Tract,
Fresno. Frame dwelling & garage.
Owner—Geo. W. Martin, 1128 M St.,
Fresno.
Architect—None.
Day's work. COST, \$4000

ALTERATIONS
LOTS 1 TO 4 BLK 61, Fresno. Altera-
tions.
Owner—Woodward & Risley, Fresno.
Architect—None.
Contractor—E. Riggins, 317 Mason
Bldg., Fresno.
COST, \$5000

STORE BUILDING
LOT 6 BLK 236, Fresno. Store bldg.
Owner—Waremiller & Quindt, Fresno.
Architect—None.
Day's work. COST, \$1200

BUILDING CONTRACTS.

San Joaquin County.

FRAME DWELLING
STOCKTON ST., bet. Willow and Vine
Sts., Stockton. Frame dwelling.
Owner—Geo. S. Brown, Stockton.
Architect—None.
Day's work. COST, \$5500

FRAME DWELLING
SPERRY ADDITION, Stockton. All
work for frame dwelling.
Owner—Mrs. A. G. Jones, Stockton.
Architect—None.
Day's work. COST, \$6000

FRAME COTTAGE

MAGNOLIA AND SAN JOAQUIN STS.
Stockton. Frame cottage.
Owner—Frank Beliski, Stockton.
Architect—None.
Day's work. COST, \$3800

ALTERATIONS

NO. 637 E-MAIN ST., Stockton. Alterations.
Owner—L. Katten, 1023 N-Eldorado St., Stockton.
Architect—None.
Day's work. COST, \$1000

ALTERATIONS

CENTER ST., bet. Market and Washington Sts., Stockton. Alterations.
Owner—M. and R. Friedberger, 107 E-Main St., Stockton.
Architect—None.
Day's work. COST, \$1200

DWELLING

MURPHY TRACT, Stockton. Seven-room dwelling.
Owner—George Jordan, 402 Chestnut St., Stockton.
Architect—None.
Day's work. COST, \$4800

FACTORY

FREMONT & LINDSAY STS., Stockton. Box factory.
Owner—Stockton Box Co., 110 E-Channel St., Stockton.
Architect—None.
Day's work. COST, \$6200

FRAME BUILDING

SPERRY'S ADDITION, Stockton. All work for frame building.
Owner—C. C. Blair, Stockton.
Architect—None.
Day's work. COST, \$5000

SEWER BIDS WANTED.

MARTINEZ, Contra Costa Co., Cal.
—Bids will be received by the City Trustees, C. E. Daley, City Clerk, up to 8 P. M., July 17th, for the following work:

That 5 and 6 inch vitrified ironstone pipe sewers, lampholes of 6 inch vitrified ironstone pipe be constructed on portions of Talbart, High and Buckley Streets.

BUILDING CONTRACTS.**Sacramento County.****BUNGALOW**

LOCKWOOD, Sacramento. Four-room frame bungalow.
Owner—Geo. W. Locke & Son, 318-20 "J" St., Sacramento.
Architect—None.
Contractor—F. L. Gould, Sacramento.
Dated June 24, 1919.
COST, \$5390

BASEMENT

NO. 814 SIXTH ST., Sacramento. Construct basement.
Owner—Western Meat Co., 806 6th St., Sacramento.
Architect—None.
Day's work. COST, \$3000

COMPLETION NOTICES.**Sacramento County.**

Recorded Accepted
July 2, 1919—E 60 LOT 2 and W 20
Lot 3 L. M., 6th and 7th Sts., Sacramento. Albert Elkus and Edw J Kay to whom it may concern.
July 2, 1919

BUILDING CONTRACTS.**Santa Clara County.****COUNTER WORK, ETC.**

SE EMERSON AND UNIVERSITY Aves, Palo Alto. Banking room finish and counter work including finish in Directors' room, etc., to be installed in bank building.
Owner—Bank of Palo Alto, 116 University Ave., Palo Alto.
Architect—W. H. Weeks, 75 Post St., San Francisco.
Contractor—The Fink & Schindler Co., 218-246 13th St., San Francisco.
Filed July 8, '19. Dated July 8, '19.

As work progresses..... 75%
Usual 35 days..... 25%
TOTAL COST, \$14,645
Bond, \$7323. Sureties, Otto T. Hildebrecht and Ernest Richter. Limit, 60 working days. Forfeit, \$20 per day overtime limit. Plans and specifications filed.

PLUMBING WORK, ETC.

LOT 14 of the San Juan Extension
Subdivision on the Campus of the Leland Stanford Jr. University, Palo Alto. Plumbing work including furnishing and setting of fixtures, piping, hot water heaters, drains and sewer complete.
Owner—Mrs. Lou Henry Hoover of The Stanford University.
Architect—A. B. Clark.
Contractor—Frederick W. Snook Co., 596 Clay St., San Francisco.

Filed July 7, '19. Dated July 7, '19.
On 1st of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, \$7748
Bond, \$3874. Surety, New Amsterdam Casualty Co. Limit, to be given by Architect later. Forfeit, none. Plans and specifications filed.

COMPLETION NOTICES.**Santa Clara County.**

Recorded Accepted
July 8, 1919—LOS GATOS. L Cairns to E Hiatt..... July 8, 1919

Electric Plant Survey Ordered.

CHICO, Butte Co., Cal.—As a preliminary step toward the construction of the municipal electric system power generating plant, the City Trustees instructed City Engineer Frank S. Robinson to make preliminary survey of the cost of a power plant in the canyon, capable of generating 3,000 horsepower.

Construction of two plants will also be considered.

Robinson said engineers would be placed on the survey as soon as possible.

A measurement of the water in Chico Creek, which the city owns, was made two years ago by City Trustee Martin C. Polk, he told the Board. He found it to be about twenty-five cubic feet per second. He said that an 800-foot drop could be secured in four miles, capable of generating 2,000 horsepower, and that 3,000 actual horsepower could be generated in two drops.

Polk placed the pre-war cost of such a plant at \$75 per horsepower, but said that present costs would be about \$110.

The plan as outlined by Polk would be to build the first dam at what is known as Mickey's, about fourteen miles up the canyon, with the second about three miles further down. All water used for power purposes will be returned to the creek.

SEWER BONDS.

WILLOWS, Glenn Co., Cal.—By a vote of 274 to 17, the Willows electorate ratified a proposition to bond the city for \$40,000 for the construction of a sanitary sewer system. The new system, to be known as No. 2, will take in practically all of the town outside the district served by the present system.

ASK CONSTRUCTION OF SUBWAY.

SACRAMENTO, Cal.—The Sixteenth Street Improvement Club has asked the City Commission to take up the improvement of Sixteenth Street, by the opening of a subway under the Southern Pacific tracks and the extension of the street from B street to A street and from A street to upper B street, connecting with the Auburn Boulevard.

The matter was referred to Commissioner of Streets D. W. Carmichael for action.

The petition of the club recites that the improvement was contemplated some time ago, but abandoned on account of war conditions.

HIGHWAY CONTRACTS AWARDED

SACRAMENTO, Cal.—The following awards have been made by the Advisory Board of the Department of Engineering, on July 8th, 1919:

To J. Wilmhurst, San Francisco, California.

For the construction of a section of State highway in Humboldt County, Division I-Route 1-Section J, (between Freshwater Lagoon and Orick, about 2.8 miles in length.) Contract price, \$39,976.50.

To Palmer & McBryde, Hooker Lent Bldg., San Francisco, California.

For the construction of a section of State highway in Del Norte County,

Division 1-Route 1-Section B, (between Last Chance Slide and Cushion Creek, about 7.9 miles in length.) Contract price, \$195,840.10. (27622) 1st report May 23; 3rd June

BRIDGE CONTRACT AWARDED.

REDWOOD CITY, San Mateo Co., Cal.—The County Supervisors have awarded a contract for the construction of the New Years bridge in the Fifth Township to A. Mattson of San Bruno on his bid of \$114,275.50.

IRRIGATION PROJECT.

OKDALE, Stanislaus Co., Cal.—The Sierra and San Francisco Power Company has asked the Oakdale and South San Joaquin irrigation districts to join with them in the immediate construction of the Donnel's Flat reservoir at an estimated cost of \$2,000,000. The power company has made the two districts a proposition by which the irrigators will lend their credit to the corporation in return for which the company practically agrees to supply water at a minimum cost.

The Donnel's Flat project is intended to store 60,000 acre feet of water and is a necessary unit in the development of the Sierra and San Francisco Power Company's plans. The power company had promise of government backing in this project, but this was withdrawn when the armistice was signed. The irrigation directors have promised to consider the company's offer. A bond issue would be submitted to the land owners before any promise could be made.

ELECTRIC WIRING CONTRACT AWARDED.

LOS ANGELES, Cal.—H. H. Walker, 505 Marsh-Strong Bldg., Los Angeles, has been awarded the contract at \$27,612 for the installation of the electric wiring in the new hotel building to be erected on Wilshire Blvd., by the Wilshire Boulevard Hotel Co., Myron Hunt, 1017 Hibernian Bldg., architect. An additional contract amounting to \$1831 was also awarded to Mr. Walker for wall plugs, and a provisional contract at \$1615 if the top floor of the hotel is completed.

POWER PLANT.

FRESNO, Cal.—The San Joaquin Light & Power Co., Wm. G. Kerckhoff, president, will speed up its new \$3,651,000 hydro-electric project on the San Joaquin river. New plans eliminate 19,000 feet of conduit and extend the tunnel now under construction to 17,700 feet. This tunnel is 17 feet in diameter. A dam will be built two miles below the present power house.

The new power house will have 45,000 h. p. capacity.

STREET AND SEWER CONTRACTS AWARDED.

SACRAMENTO, Cal.—The City Commissioners have awarded contracts for the following improvements:

Improving "P" street from Second to Third streets by grading the roadway and constructing a pavement of a hydraulic concrete foundation and a bitulithic wearing surface.

Improving "P" street from Third to Seventh streets by grading the roadway and constructing a pavement of hydraulic concrete foundation and a bitulithic wearing surface.

Awarded to Clark & Henery Construction Co., Ochsner Bldg., Sacramento.

Improving the alley between Forty-seventh and Forty-eighth streets, from "R" street to the alley first north of "T" street, by constructing an 8 inch vitrified ironstone pipe sewer with 22 6 inch vitrified ironstone wye branches and 1 concrete manhole.

Improving the alley first N of "T" street from a point 50 feet E of the E line of Forty-seventh street to a point 50 feet W of the W line of Forty-eighth street, by constructing a 6-inch vitrified ironstone pipe sewer with 5 6-inch vitrified ironstone wye branches and 2 6-inch vitrified ironstone flusher branches attached, and 1 concrete manhole.

Awarded to J. W. Terrell, 1111 29th St., Sacramento.

(27322) 1st report May 9, and (27701) 1st report May 27, 1919. E

July 9, 1919.

TO PURCHASE FIRE HOSE.

MERCED, Merced Co., Cal.—At the last meeting of the City Trustees it was decided to call for bids for furnishing 500 feet of fire hose.

Contract Awarded For Cement Sewer Pipe.

LOS ANGELES, Cal.—Mike Chutuk, 1506 Pleasant St., Los Angeles, was awarded a contract at \$79,229 for constructing a cement pipe sewer in Sixty-third Place between Vermont and Denver avenues, and other streets in Sixty-third place sewer district. Other bids received by the Board of Public Works were: Wm. M. Gosling, \$96,864; Tryon & Brain, \$137,000; Geo. R. Curtis, \$146,000; M. S. Cummings, \$198,800. The work will comprise 35,388.8 feet of sewer.

Contract Awarded.

APARTMENTS Cost, \$25,000
SAN FRANCISCO. N Pine Street 199 W Leavenworth Street.
Owner & Architect—J. F. Dunn, Phelan Bldg., San Francisco.

Concrete work awarded to American Concrete Co., 785 Market Street.

Mill work to Pacific Mfg. Co., 117 Stevenson Street.

Plumbing to James & Drucker, 450 Hayes Street.

Plastering to Leonard Bosch, 41 Pluto Street.

Wiring to American Elec. Eng. Co., 1723 Post Street.

Heating to Atlas Heating & Ventilating Co., 72 Freelon Street.

Contract to be Awarded Shortly.

ASSEMBLY HALL Cost, \$74,887
SAN JOSE, Santa Clara Co., Cal.

State Normal School.

Reinforced concrete assembly hall.

Owner—State of California.
Architect—State Architect.

Contractor—E. T. Leiter & Son, New Call Bldg., San Francisco.

Howard S. Williams submitted the lowest bid at \$65,544, but omitted several parts of the work and asked to withdraw his bid.

Ready for Figures in About a Week.

AUTOMOBILE ACCESSORY BLDG.

Cost, \$40,000.

SAN FRANCISCO. SE O'Farrell and Van Ness Avenue.

Two-story and basement reinforced concrete automobile accessory building.

Owner—Mr. Steinberger.

Architect—Joseph L. Stewart, 1212 Claus Spreckels Bldg., S. F.

BRIDGE BIDS WANTED.

PHOENIX, Ariz.—Until 2 P. M., July 21, bids will be received by Thomas Maddock, State Engineer, for constructing a 120-ft. span reinforced concrete arch bridge across Queen creek on the Mesa-Superior highway. Plans and specifications may be obtained from the State Engineer on deposit of \$5.

BIDS WANTED FOR BRIDGE.

SAN DIEGO, Cal.—Until 2:30 P. M., July 21, bids will be received by the Supervisors of San Diego County, J. B. McLees, Clerk, for constructing a reinforced concrete bridge at Cardiff. Plans may be obtained at the office of the Board. Certified check for 5% required.

PAVING CONTRACT AWARDED.

SAN DIEGO, Cal.—Fairchild-Gilmore-Wilton Co., Pacific Electric Bldg., Los Angeles, was awarded the

contract at \$61,493 for paving Garnet street, Brand avenue, and Balboa St., Pacific Beach, San Diego. The paving will have a 4-in. concrete base and 1½ inch Warrentite surface.

LOW BIDDER FOR PAVING.

SAN DIEGO, Cal.—Fairchild-Gilmore-Wilton Co., Pacific Electric Bldg., Los Angeles, submitted the lowest bid at \$88,907 for grading and paving portions of India St., Pierce St., California St., La Jolla Ave., San Diego Ave., and Taylor St., with concrete base and bitulithic surface.

BIDS WANTED FOR DRAINAGE SYSTEM.

PHOENIX, Ariz.—Until 2 P. M., July 28, bids will be received by A. V. Thompson, City Manager, for furnishing and laying 4000 feet 18-in., 7000 ft. 15-in., 15,200 ft. 12-in., 6000 ft. 10-in., and 17,300 ft. 18-in. drain tile and constructing 130 manholes in accordance with plans and specifications which may be obtained from the City Engineer on deposit of \$5. Bids will be taken on both vitrified glazed tile and concrete tile. Certified check for 5% required. The city will construct a tile drainage system instead of installing pumps as originally proposed to lower the underground water level. Bonds to the amount of \$100,000 have been voted.

COUNTY HIGHWAY BID UNDER ADVISEMENT.

SACRAMENTO, Cal.—The Board of Supervisors received only one bid for the paving with concrete of a mile and a half of highway on Brannen Island, below Isleton, that of the Healy Tibbitts Construction Co., 9 Main St., San Francisco, in the sum of \$13,320 for grading and \$25,833.50 for the concrete work. It was taken under consideration.

HIGHWAY BONDS.

VENTURA, Ventura Co., Cal.—The Supervisors of Ventura County are considering calling an election to vote on issuing \$500,000 bonds to build 35 miles of road to complete the county highway system. The projects contemplated include the following: Santa Paula to Ojai; Telephone road, state highway to Saticoy; Vineyard avenue, El Rio to Saticoy; Camarillo road, state highway through Santa Rosa valley; Wood road, Oxnard; Sespe avenue and certain roads in Bardsdale.

ART GALLERY FOR SACRAMENTO.

SACRAMENTO, Cal.—A new fire-proof building, costing some \$35,000, to house the E. B. Crocker Art Gallery, is proposed to the City Commis-

sion by Grove L. Johnson, President of the Board of Trustees of the Institution. The proposal received unanimous individual endorsement by the members of the Commission, although no action was taken, further than to refer the matter to J. Q. Brown, President of the Commission, and Gus S. Turner, Commissioner of Finance, both of whom, with Commissioner G. C. Simmons, expressed favorable views. Plans for the proposed structure were prepared by Architect E. C. Hemmings.

NO BIDS RECEIVED FOR COURT-HOUSE. TO TAKE SEGREGATED BIDS.

WINNEMUCCA, Nevada.—No bids were received by County Clerk J. W. Davey of Humboldt County, Nevada, on July 7th, for the construction of the reinforced concrete courthouse at Winnemucca, Nevada. New bids will be called for shortly and will be taken for segregated contracts instead of a general contract. Plans were prepared by Architect F. J. De Longchamps, of Reno.

TO ERECT HOTEL.

LINDSAY, Tulare Co., Cal.—The Lindsay Hotel Co. will be incorporated with \$250,000 capital stock to erect a semi-fireproof hotel building containing 138 rooms, estimated to cost \$200,000. The committee on organization selected at a meeting of citizens, is composed of Chas. K. Powt, chairman; A. M. Robertson, secretary; A. J. Howe, G. V. Reed, G. H. Waddell and King C. Gillette.

BIDS WANTED FOR PUMPS.

SAN FRANCISCO—The San Francisco Board of Public Works will receive bids until July 23, 1919, for the supply and delivery of two motor driven Centrifugal Turbine Pumps, capacity of 250 and 400 gallons a min. from 650' depth for Big Creek shaft of the aqueduct construction, Mountain Division, Hetch-Hetchy. Contract No. 65. Estimated cost, \$3,600 and \$1,750 respectively. Bonds, \$900 and \$500.

CONTRACT AWARDED FOR TANK AND PIPE LINE.

ANGEL ISLAND, Cal.—The Schultz Constr. Co., 46 Kearny St., San Francisco, have been awarded a contract at \$3,870 for constructing a 200,000 gallon tank and pipe line at Fort McDowell, Angel Island. Limit, 60 days from July 1st.

BONDS.

SAN MATEO, San Mateo Co., Cal.—A special election will be held in San Mateo late next month or early

in September to vote on a proposed \$40,000 bond issue for improved fire protection as follows:

Electric fire alarm apparatus, \$24,000.

New motor chemical engine with pump, \$12,000.

Moving high pressure pump from city library lot to basement of the city hall, \$4,000.

WATER PROJECT PLANNED IN CONTRA COSTA COUNTY.

RICHMOND, Contra Costa Co., Cal.—A campaign is being made here for the organization of a district of irrigation to supply water for both agricultural and industrial purposes from the San Joaquin river.

The plan proposed would include the installation of a pumping system on the San Joaquin river to pump the water to large reservoirs in the hills back of Ignacio valley. From these reservoirs the water would be taken by a series of distributing systems to farmers all over upper Contra Costa county.

E. B. Anderson has been chosen temporary president of the project, which will be later organized as an assessment district under the provisions of the Wright act. Rough surveys have been made by the proponents of the plans and the project has been found feasible.

TO BUILD TOURIST HOTEL.

SANTA MONICA, Los Angeles Co., Cal.—The Santa Monica hotel committee has announced that D. M. Linard, president of the California Hotel Co., has agreed to operate a large tourist hotel to be erected at Wilshire Blvd. and Ocean Ave.; also that \$1,800,000 had been subscribed for the project. The committee is composed of Col. J. B. Lankershim, H. L. Hall, J. Wiseman McDonald, Harry Gorham and C. L. Bundy. Myron Hunt of Los Angeles, is the Architect.

SEWER WORK PLANNED.

FRESNO, Fresno Co., Cal.—The City Council, Chas. Dillon, City Clerk, has passed an ordinance declaring the intention of the Board of Trustees of the City of Fresno to form a sewer improvement district to be known as 'Municipal Improvement District No. 1'. Bonds will be issued to finance construction of sewers in the district.

CONTRACT AWARDED FOR CONCRETE PIT.

SAN FRANCISCO—The State Board of Harbor Commissioners, Frank G. White, Chief Engineer, has awarded a contract to D. C. McCabe, 2486 Post St., on his bid of \$800, for furnishing labor and material used in the con-

struction of a reinforced concrete pit on the lot of the Belt Railroad at the "Embarcadero" and Lombard street.

TWO BRIDGES CONTRACTED.

REDDING, Shasta Co., Cal.—The Supervisors awarded to William Stephens of Redding the contract for building two concrete bridges on the Millville-Redding Road, his bid of \$4,834 being the lowest of several. The bridges are to be across sloughs, one at the Hatler place, the other at the Grant place.

ROAD APPROPRIATION MADE.

MARYSVILLE, Yuba Co., Cal.—The Supervisors have transferred \$60,000 of county money into a new fund which is to be used solely for the building of permanent roads.

The action is in line with the decision of the Board to build five miles of permanent road every year, and this appropriation marks the creation of the fund.

It is believed that the first road built with the money will be in District 10.

The plans for the permanent roads will be drawn by the County Engineer and thereafter approved by the State Highway Commission.

FIRE HOSE CONTRACT AWARDED.

WOODLAND, Yolo Co., Cal.—The American Rubber Co., Sheldon Bldg., San Francisco, has been awarded a contract by the City Council for furnishing 1,000 feet of fire hose on their bid of \$1.10 a running foot.

LOW BIDDER FOR PAYING.

RIVERSIDE, Cal.—R. T. Shea Construction Co., Riverside, submitted the lowest bid at \$11,068.05 for grading and paving portions of Archibald Avenue and Cloverdale Road.

The same company also submitted the lowest bid for paving Ontario avenue between Compton and Josephine avenues at \$4,404.93.

CONTRACT AWARDED FOR SKIPS.

SAN FRANCISCO.—The San Francisco Board of Supervisors have awarded a contract to Joshua Hendy Iron Works at \$3,920 for furnishing self-dumping skips for the Hetch-Hetchy Project.

WATER SERVICE FOR SCHOOL.

SAN FRANCISCO.—Architect John Reid Jr., requests the San Francisco Board of Supervisors to authorize the installation of a 3" water service for the Argonne School, on Cabrillo bet. 17th and 18th avenues.

HIGHWAY BONDS.

TUSCON, Ariz.—The Supervisors of Pima county have decided to call an election to vote on issuing \$1,500,000 bonds to complete the county highway system. Federal aid to the amount of \$350,000 will be secured on the 14 road projects to be provided for by bonds. There will be one concrete bridge and two concrete dips.

ENGINEER SELECTED FOR PETA-LUMA PAVING.

PETALUMA, Sonoma Co., Cal.—At the last meeting of the City Council Civil Engineer W. C. Howe of San Francisco was present and offered to furnish plans and specifications for the improvement of Main and Third streets for \$800. The offer was accepted. Howe was authorized to employ a field party at additional expense to make surveys.

An ordinance providing for the issuance of \$80,000 in bonds for the improvement of Main and Third streets was introduced and ordered published.

BIDS OPENED FOR MERCED HIGH SCHOOL.

MERCED, Cal.—The following bids were received July 11th by the Merced Union High School District for the construction of a group of brick and terra cotta buildings. No bids were received on Propositions No. 1 and 2, including excavating, concrete, cement, masonry and terra cotta, etc., in bid No. 1 and carpentry work, etc., in No. 2, these will be readvertised.

Sheet Metal Work.

R. Barcroft & Sons, Merced.....\$1495
Christenson & Anderson, Palo Alto 3552

Tile Roofing.

C. L. Passmore, Los Angeles.....\$5,889
Fibrestone & Roofing Co., San Francisco 6,314
Gladding, McBean & Co., San Francisco 7,125

Composition Roofing.

Fibrestone & Roofing Co.....\$550
J. W. Bender Roofing Co..... 673

Plastering.

J. C. McLeod, San Francisco.....\$12,503
J. B. Guerard 12,770
Finnigan & Fitzpatrick..... 16,500

Blackboards.

Pacific Coast Blackboard Co.....\$1,350
Rucker-Fuller Desk Co., San Francisco 1,050
C. F. Weber Co., San Francisco 1,576

Painting.

D. Zelinsky, San Francisco.....\$900
Electrical Work.
Golden Gate Elec. Co.....\$5,611
Electrical Constr. Co..... 7,680
C. C. Severn, San Francisco..... 6,900
S. E. Osborn 7,225
Res Elec. & Eng. Co..... 8,888
R. Barcroft & Son, Merced..... 8,805

Plumbing, Gas Fitting, Sewering, Etc.
J. Hokam, Modesto.....\$11,671
Hateley & Hateley, Sacramento 11,986
R. Barcroft & Sons, Merced..... 12,357
Frederick W. Snook, S. F..... 12,598
A. Lettich, S. F..... 13,625
James & Drucker, S. F..... 13,410
Christenson & Anderson..... 14,282

Program Clocks.

Standard Elec. Time Co., San Francisco\$1,410

Hardware.

California Hardware Co., Los Angeles\$4,254
R. Barcroft, Merced..... 5,463
Hoffman Marx Co..... 5,340

Heating and Ventilating.

James A. Nelson, S. F.....\$12,227
Hateley & Hateley, Sacramento 12,671
Bay Engineering Co., S. F..... 12,855
James & Drucker, S. F..... 13,270
Christenson & Anderson..... 16,332
R. Barcroft & Sons, Merced..... 13,387

Bids to be Called in About Two Weeks
For Excavating, Etc.

STATE BUILDING Cost, \$—
SAN FRANCISCO. Civic Center.
Class "A" State Building.
Owner—State of California.
Architects—Bliss & Faville, Balboa Bldg., San Francisco.

Working Drawings Being Prepared.
CHANDLER, Arizona.

Three two-story brick and stucco High School Buildings.
Owner—Chandler School District.
Architects—Allison & Allison, 1401 Hibernian Bldg., Los Angeles.

ROAD WORK PLANNED.

REDWOOD CITY, San Mateo Co., Cal.—At the last meeting of the County Supervisors the matter of improving Hooper road in the third township again came up and Supervisor MacBain said the county would have to pay one-half the cost. The Board will inspect the road and make a decision at the next meeting.

Architects Selected For Fresno School Buildings.

FRESNO, Fresno Co., Cal.—The City Board of Education has selected architects to prepare plans for the various school improvements planned under the \$2,000,000 bond issue recently voted.

Coates & Traver were awarded the contract for the new \$750,000 high school.

Edison School, E. J. Kump.
John Muir School, Glass & Butner.
Longfellow addition, Swartz & Swartz.

Washington addition, E. Mathewson.

Arlington Heights school, R. B. Hotchkiss.
 Jackson school, Swartz & Swartz.
 Jefferson Annex school, Glass & Butner.
 Lincoln school, E. Mathewson.
 Franklin school, R. B. Hotchkiss.
 Kirk addition, Coates & Traver.

Ready For Figures Monday.

APARTMENTS Cost, \$100,000
 OAKLAND, Alameda Co., Cal.

Six-story reinforced concrete apartments (2 and 3 rooms apts).

Owner—Withheld.

Architect—Chas. H. Skidmore, 616 New Call Bldg., San Francisco.

Ready for Figures Monday.

APARTMENTS Cost, \$85,000
 SAN FRANCISCO. Post Street.

Six-story reinforced concrete apartment (2 apts. on each floor, also garage for 30 cars.)

Owner—Withheld.

Architect—Chas. H. Skidmore, 616 New Call Bldg., San Francisco.

DEISEL ENGINE BIDS OPENED.

PALO ALTO, Santa Clara Co., Cal.—The low bid for furnishing and installing a new Deisel engine at the Municipal Power Plant was submitted to the City Trustees by the McIntosh-Seymour Corporation, 461 Market St., San Francisco, at \$48,900. The highest bid received was that of the Busch-Seizer Co. at \$53,800.

For the electric generating unit there were only two bids. The General Electric Company put in a figure of \$5680 and the Westinghouse concern \$6000. The bids were taken under advisement.

ROAD CONTRACT AWARDED.

STOCKTON, San Joaquin Co., Cal.—The County Supervisors have awarded a contract to Cy Moreing, Commercial & Savings Bank Bldg., Stockton, for the construction of 8 miles of the Terminous road, the contract price being \$69,400. This will include the paving of this stretch from Terminous to the Davis road, 4 miles to be water-bound and 4 miles to be oil bound macadam. Moreing was the only bidder.

CULVERT AND BRIDGE WORK PLANNED.

NAPA, Napa Co., Cal.—The County Supervisors have instructed County Engineer O. H. Buckman to prepare plans and specifications for a reinforced concrete culvert on the road leading from the Fly district school house to Buchli Station, said culvert located near the P. M. Raven ranch, and for

a reinforced concrete bridge across Milliken Creek on Foss Valley road near the General Miller place.

Buckman has been instructed to construct two concrete culverts in Road District Five, both of said culverts located on the cross road from Coombsville to the Hagan road.

Jas. A. Daly is County Clerk.

POMONA SITE CHOSEN FOR IMBECILES' HOME.

POMONA, Los Angeles Co., Cal.—Trustees of the Pacific Colony have closed the deal for a site for the state institution on Valley Blvd. between Walnut and Spadra stations near Pomona. An appropriation of \$100,000 is now available for buildings and equipment. Plans have been made by the State Architect, Mrs. J. Powers Flint of Los Angeles, is president of the board of trustees.

CONTRACT LET FOR TEN BRIDGES

MARYSVILLE, Yuba Co., Cal.—The Yuba County Board of Supervisors have awarded contracts for the construction of ten bridges in the county, two to be on the north side of the Yuba River and the remaining eight on the south side. The contract price of the ten structures is \$35,782, or \$278 less than the estimated cost of County Surveyor Leslie Crook.

T. H. Polk of Chico will build three of the bridges; Jenkins & Wells of Sacramento, one, and Edward H. Martin of Oakland, six.

PAVING BIDS REJECTED. NEW BIDS ORDERED.

MARYSVILLE, Yuba Co., Cal.—The City Trustees have rejected bids for paving streets in District No. 7 and new bids have been ordered received.

This action was taken due to the fact that the streets contained in the district have been repaired at different times and it was at first thought the paving would only necessitate a covering of asphaltum.

However, residents of the streets in question desire to have the work done thoroughly and the new bids will include the laying of a foundation and the asphaltum layer.

The streets included in District 7 are: D street, from Fifth to Ninth; Fifth street, from B to D; and Sixth street, from A to C.

(27933) 1st report June 9, 1919. E

ROAD BONDS.

WOODLAND, Yolo Co., Cal.—The Yolo County Supervisors have set August 26th as the date to decide the question of issuing and selling bonds of \$1,000,000 with which to finance the

construction of 100 miles of county roads.

District Attorney C. C. McDonald has been instructed to prepare the necessary proceedings.

BRIDGE WORK PLANNED.

WOODLAND, Yolo Co., Cal.—The County Board of Supervisors have decided to construct three new bridges as follows:

One in Supervisors M. H. Stitt's district north of Capay across Cache creek, to have a 170-foot span and to cost upwards of \$30,000.

A steel bascule bridge in Supervisor F. B. Edson's district, spanning Sycamore slough into the Fair ranch to cost about \$20,000. It will have a 90-foot span.

The third bridge is to be in Supervisor W. O. Russell's district at Davis, connecting Yolo and Solano counties. It will cost each county around \$5000

WATER TOWER AND TANK BIDS WANTED.

WOODLAND, Yolo Co., Cal.—The City Trustees have instructed City Engineer Asa Proctor to prepare plans and specifications for the proposed new water tower and tank to be erected in this city, increasing the city's water supply by 125,000 gallons.

CITY WORK.

SAN FRANCISCO.—The San Francisco Board of Education will set aside \$6,000 for re-constructing the Everett Annex School and \$3,485 for repairs to the Hawthorne School.

The Board of Supervisors have been requested to call for bids for 350 water meters to be installed in the Reis Tract.

The Board has approved specifications and ordered bids to be opened July 2, for four self-dumping skips and side plates for aqueduct shafts, Mountain Division, Hetch-Hetchy. Estimated cost, \$4,250.
 (28301-28302-28303)

PAVING WORK PLANNED.

COLUSA, Colusa Co., Cal.—The City Trustees have decided to pave Market street from the end of the present concrete to Thirteenth street, as in time the county will change the Princeton road to enter the town at Thirteenth. Twelfth street will not be paved as was planned.

STREET WORK PLANNED.

OROVILLE, Butte Co., Cal.—The City Trustees have laid out the following program for street improve-

ments for the fiscal year ending June 1920:

Paving of Montgomery street from Fourth avenue to the Marysville Road and from Oliver avenue to Bridge St.

Myers street from High street to city limits.

Robinson street from Lincoln street to Marysville Road.

Bridge street from the Feather River bridge to the south line of Orange avenue.

It was stated that the Board planned to use the same type of pavement already laid in the city.

The Board also declared their intention to force the construction of sidewalks from the south side of Orange avenue to Washington street, and on Park, Hewitt, Wilcox and Spencer streets in the Park Addition. It was decided that property owners would be allowed to lay their own sidewalks, curb and gutter under private contract. S. J. Norris, is City Engineer.

TO BUILD \$5,500,000 TIRE FACTORY AND COTTON MILL.

LOS ANGELES, Cal.—The Goodyear Tire & Rubber Co. has purchased the Ascot Park property and 320 acres south of the park as a site for a large manufacturing plant and industrial city. Approximately \$4,000,000 will be expended in the erection of a group of buildings for a tire manufacturing plant and about \$1,500,000 will be invested in a cotton mill to be operated in conjunction with the tire plant. These two industries will employ about 3700 people and a portion of the property will be laid out as an industrial city to provide homes for the workers. The industrial city will be planned by landscape architects and the plans for the factory buildings will be prepared by Eastern engineers, specialists in this line of construction.

CONTRACT AWARDED FOR RADIO STATIONS.

WASHINGTON, D. C.—The Pittsburgh, Des Moines Steel Co. have been awarded a contract by the Bureau of Yards and Docks, Navy Department, for constructing the following steel radio towers:

Specification 3965: One 600 foot steel tower with concrete foundations at the Naval Station, Guam. Estimated weight, 312 tons, and two 450 foot self-supporting steel towers on concrete foundations at the Radio Station, South San Francisco, Calif. Estimated weight, 185 tons each tower, under Specification 3966.

BRIDGE CONTRACTS AWARDED.

SAN JOSE, Santa Clara Co., Cal.—The following contracts were awarded by the Supervisors at their last meeting for the construction of a reinforced concrete bridge on Alamitos road at Almaden mines. The Surveyor's estimate was \$5,260.

E. Nommensen.....	\$4,963
Hirsch & Sciarrino.....	\$5,685
Frank Bryant.....	6,000
Wm. Martin.....	5,209

Awarded to E. Nommensen, 134 S. 8th St., San Jose.

For the construction of a reinforced concrete bridge over Metcalf road over Metcalf creek. Surveyor's estimate, \$1,760.

Frank Bryant.....	\$1,600
J. H. Miller.....	1,747
Wm. Martin.....	1,489

Awarded to Wm. Martin, San Jose.

For the construction of wooden bridges on Columbet avenue, the following bids were received. Surveyor's estimate, \$3,140.

J. H. Miller.....	\$2,800
Frank Bryant.....	2,800

Awarded to Frank Bryant, 286 W. San Carlos St., San Jose.

For a drainage ditch on Blaney avenue in Supervisor District No. 4. Surveyor's estimate, \$2,125.

Raisch Improvement Co.....	\$2,000
Bos & O'Brien.....	5,500
J. W. McClay.....	4,259

Awarded to Raisch Improvement Co., 46 Kearny St., San Francisco.

Henry A. Pfister, County Clerk.

STREET WORK PLANNED.

MARTINEZ, Contra Costa Co., Cal.—The City Trustees, C. E. Daley, Clerk, have passed a resolution of intention providing for the following work:

That portions of Escobar Street be graded and paved with 24 inch pavement of hydraulic concrete base, reinforced with Clinton wire mesh and bitulithic wearing surface, with a paint binder course and a bitulithic flush coat; concrete curbs; concrete sidewalk; 30-inch corrugated iron and concrete culvert be constructed.

SELMA, Fresno Co., Cal.—More than three miles of street paving is soon to be added to this city. Notices have been posted legalizing the action of the city trustees in assessing the city for the improvement.

Most of the streets being paved at this time are to connect the paving of the business section with the three approaches that are to be built under the recent county highway bond issue.

RETURN BRIDGE BIDS UNOPENED

REDWOOD CITY, San Mateo Co., Cal.—Bids received by the County

Supervisors, Elizabeth M. Nash, County Clerk, on July 7th. for the construction of a reinforced concrete bridge on Governor avenue over San Francisquito creek between the counties of San Mateo and Santa Clara, were returned unopened owing to a legal question of rights of way.

BIDS OPENED FOR BRIDGE.

REDWOOD CITY, San Mateo Co., Cal.—The following bids were received by the San Mateo County Supervisors on July 7th, for the construction of a reinforced concrete bridge over New Years Creek in the 5th Road District of San Mateo County:

A. Matson, San Bruno.....	\$11,427
C. Miller, Redwood City.....	13,500

(28165) 1st report June 6, 1919. E

GUTTER REPAIR CONTRACT AWARDED.

SAN JOSE, Santa Clara Co., Cal.—At the last meeting of the County Supervisors the following bids were received for furnishing the necessary materials to reline gutters at the county hospital:

Garden City Sheet Metal Works	\$1345
Mangrum & Otter Co.....	1463

Contract awarded to the Garden City Sheet Metal Co.

BONDS FOR PAVING.

EAGLE ROCK CITY, Los Angeles Co., Cal.—The City Trustees have adopted a resolution providing for a bond issue of \$57,000 for the improvement of about 70 city streets by resurfacing with oil and rock screenings or crushed rock. A resolution has also been adopted favoring a bond issue of \$33,000 for three-fourths the cost of making a boulevard of Central avenue.

OAKLAND, Cal.—The City Council L. W. Cummings, City Clerk, has passed resolutions of intention providing for the following work:

That 38th avenue from East 14th street to the NE line of the California Railway right-of-way, be graded, curbed with concrete, guttered with concrete gutters, and paved with oil-macadam; also

A corrugated iron and concrete culvert be constructed.

OAKLAND, Cal.—Bids will be received by the City Council, L. W. Cummings, City Clerk, up to 12 M., July 24th, for the following work:

That Harvey avenue, from 55th avenue to 57th avenue, be graded; curbed with redwood; guttered with concrete gutters, 3 feet wide, and paved with oil macadam pavement.

Building Statistics For May, 1919.

Returns Officially Reported from 166 Cities Lend Conviction That Construction Is Getting Under Way—110 Per Cent Gain Over May, 1918—Big Gains Over Previous Months of This Year—Compared with Average for Past Five Years Normally Is Shown—Average Value of Permit Shows More Work on Large Projects.

Statistics of Building Permits for the month of May from 166 cities officially reported to the American Contractor indicate clearly that a "go-ahead" policy for construction is under way. Only 28 cities out of the 166 show a loss compared to last year's statistics, and the total of \$106,154,226 for May of this year is a 110 per cent gain over the total of \$50,071,703 for the same cities during the corresponding period of last year.* This is encouraging when compared to the record for previous months of this year, as the following table shows:

No.	Month	cities	1919 value	1918 value
Jan.	152	\$ 23,869,215	\$ 27,291,218	
Feb.	153	32,058,628	21,680,314	
March	199	64,884,325	36,529,620	
April	165	84,914,008	44,516,828	
May	166	106,154,226	50,071,703	

\$311,838,153 \$180,089,683

In comparison to 1918 figures for the corresponding month, January, 1919, showed a loss of 12 per cent; February a gain of 48 per cent; March a gain of 77 per cent, and April a gain of 91 per cent.

These totals give a gain of 73 per cent for the first five months of 1919 over 1918.

Normality Shown by Comparison with Previous Years.

Comparison of May, 1919 figures with previous May figures is shown in the following tabulation:

No.	Estimated cities	value
1919	166	\$106,154,226
1918	164	49,763,085
1917	117	75,168,153
1916	112	113,904,515
1915	112	86,469,129
1914	71	72,057,666

By reducing these figures to the number of permits per year per city for the month of May the average value of May permits per city for May, 1919, is \$643,111. Bearing in mind that the larger the number of cities the more small cities are included makes these figures look very favorable for the past month's activity. The conclusion may be drawn that normality is shown by the comparison, but it must be noted that the purchasing power of the 1919 dollar is much less than that of some of the included previous years.

	May, 1919	May, 1918
Akron	\$ 2,926,090	\$ 530,235
Alameda	62,214	82,748
Albany	158,370	96,590
Albiontown	174,650	73,300
Altoona	150,018	41,423
Atlanta	1,171,578	438,423
Atlantic City	66,818	90,890

Auburn	46,610	16,429	New Britain	133,915	48,782
Augusta	203,289	91,104	New Haven	575,554	255,199
Baltimore	2,680,637	297,208	New Orleans	652,009	137,649
Bay City	84,500		New York City:		
Bayonne	99,685	75,955	Queens	5,857,940	1,730,172
Berkeley	168,575	54,500	Bronx	2,183,088	598,335
Binghamton	131,376	45,183	Manhattan	4,989,126	1,995,473
Birmingham	226,821	93,959	Brooklyn	8,665,548	2,787,043
Boise	45,887	5,839	Richmond	358,123	149,469
Boston	2,178,093	910,598	Norfolk	999,277	273,530
Bridgeport	428,068	780,003	Onkland	551,392	377,942
Brockton	109,610	21,620	Okla. City	746,112	371,095
Buffalo	1,041,000	815,000	Omaha	1,042,220	504,205
Butte	75,000		Pasadena	120,486	87,251
Cambridge	265,395	146,741	Passaic	206,300	75,125
Camden	426,624	66,971	Paterson	352,690	230,870
Canton	577,021	332,725	Peoria	128,516	122,628
Cedar Rapids	147,000	28,000	Philadelphia	5,960,104	1,672,050
Charleston	57,950	20,170	Phoenix	292,295	47,252
Charlotte	113,000	221,000	Pittsburg	1,426,214	582,950
Chattanooga	134,986	29,695	Portland, Me.	52,506	89,727
Chelsea	27,460	37,425	Portland, Ore.	813,545	2,310,590
Chicago	7,190,200	3,752,500	Pueblo	91,521	27,675
Cincinnati	1,539,855	800,185	Quincy, Ill.	15,000	59,500
Cleveland	3,378,375	1,456,760	Quincy, Mass.	110,300	143,693
Colo. Springs	32,373	13,888	Reading	82,550	96,475
Columbus	509,375	240,275	Richmond	815,910	93,155
Covington	64,170	30,750	Roanoke	142,640	53,925
Dallas	556,545	91,270	Rochester	122,878	177,730
Davenport	275,760	262,906	Sacramento	99,675	56,647
Dayton	992,040	329,961	Saginaw	467,157	22,165
Decatur	745,750	121,005	Salem	38,170	46,969
Denver	928,180	541,900	Salt Lake City	353,625	420,850
Des Moines	243,900	461,550	San Antonio	285,658	773,880
Dubuque	100,164	37,390	San Diego	1,045,015	74,239
Duluth	455,165	340,970	San Francisco	1,322,862	903,654
East Orange	610,120	17,542	San Jose	52,205	20,507
East St. Louis	71,710	124,792	Savannah	81,950	15,925
Elizabeth	204,068	627,683	Schenestady	170,820	153,194
El Paso	159,080	73,500	Scranton	66,575	61,245
Erie	270,455	192,048	Seattle	1,407,080	763,760
Evansville	46,275	29,233	Shreveport	192,982	87,190
Fall River	133,825	94,611	Sioux City	441,900	415,360
Fitchburg	52,240	52,447	Somerville	64,010	66,075
Fort Wayne	271,478	74,650	South Bend	1,127,715	75,095
Fort Worth	486,885	605,979	Spokane	107,707	58,985
Fresno	259,670	217,490	Springfield, Ill.	105,748	80,500
Grand Rapids	328,624	92,712	Springfield, Mo	41,825	6,425
Hamilton	96,976	133,467	Springfield, Ms	521,056	172,760
Harrisburg	173,275	29,250	Springfield, O.	119,775	12,495
Hartford	583,548	473,841	St. Joseph	77,690	34,900
Haverhill	267,350		St. Louis	1,224,325	792,971
Hoboken	153,495	75,020	St. Paul	1,713,234	1,280,397
Holyoke	60,225	15,975	Stoekton	174,710	250,897
Houston	571,047	182,587	Superior	83,980	149,900
Huntington	174,695	45,080	Syracuse	613,554	313,105
Indianapolis	1,156,091	315,522	Tacoma	280,415	458,819
Jackson	260,824	32,498	Tampa	85,738	50,015
Jacksonville	158,840	43,510	Terre Haute	53,838	45,978
Jersey City	403,748	504,244	Toledo	729,875	454,517
Kansas City, K.	107,180	65,450	Topka	91,112	23,000
Kansas City, M.	883,665	589,900	Trenton	279,964	58,129
Knoxville	363,749	356,662	Troy	45,598	43,250
Lancaster	117,760	55,530	Tulsa	663,735	
Lansing	426,030	29,850	Utica	303,950	97,830
Lawrence	85,620	27,655	Washington	1,648,609	770,977
Lexington	146,265	23,535	W. Hoboken	17,555	12,360
Lincoln	221,330	91,811	Wheeling	91,698	42,953
Little Rock	189,714	72,137	Wichita	274,780	508,346
Long Beach	711,895	327,622	Wilkes-Barre	81,199	57,869
Los Angeles	2,078,295	1,305,846	Wilmington	143,806	340,030
Louisville	402,545	416,719	Woonsocket	336,905	153,143
Lowell	156,680	53,226	Worcester	572,005	164,058
Lynn	76,950	9,120	Yonkers	140,400	199,100
Manchester	112,658	40,486	York	33,420	14,180
McKeesport	44,345		Youngstown	368,698	769,580
Medford	113,495	18,525	Zanesville	215,915	8,010
Memphis	768,950	245,465			
Miami	561,900	202,850			
Milwaukee	2,024,640	552,934			
Minneapolis	1,370,750	630,155			
Montgomery	35,793	31,647			
Mt. Vernon	548,720	23,235			
Muskegon	74,020	9,915			
Nashville	175,052				
Newark	1,327,717	677,828			
New Bedford	359,300	81,050			

Total \$106,154,226 \$50,071,703

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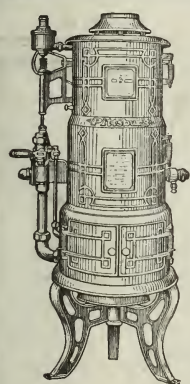
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Published Every Wednesday
Nineteenth Year, No. 30



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Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities
on the Pacific Coast.

Issued Weekly, \$4.00 per year

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Nineteenth Year, No. 30



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ARTISTIC INTERIOR DECORATING COMPLETED.

An exceptionally well executed and artistic piece of interior decorating and design, the work of Mr. A. Von Wronski, has just been completed at the residence of Mr. and Mrs. A. Brune at 2474 Sutter Street.

While the entire house has a carefully studied decorative plan, the walls of the main rooms being covered with expensive papers, the main feature of the decorative work is the walls and ceiling of the entrance hall. The theme is an admirable adaptation of the magnificent dining room of the New York State Building at the Panama-Pacific Exposition. The ceiling is treated as a sky effect while the walls are frescoed in delicate shades in an arbor scheme, being carefully worked out in oil.

All wood work throughout the residence is grained.

The entrance hall with its pleasing decorative features can easily be seen and is attracting much attention from interested people.

STATE ENGINEER TO REPORT ON BUTTE ROAD WORK.

OROVILLE, Butte Co., Cal.—The State Engineer will be in Oroville shortly to investigate the Oroville-Wyandotte and the Honcut Irrigation projects preparatory to filing his report with the Board of Supervisors.

As soon as the report of the State Engineer is made to the Supervisors a meeting will be called to proceed with the further work of calling an election for the organization of the proposed districts.

HARBOR IMPROVEMENT BONDS SOLD.

SANTA ANA, Orange Co., Cal.—The \$500,000 bonds of Orange County voted for the improvement of Newport harbor were sold to McDonnell & Co. of San Francisco, at a premium of \$11,887. The harbor commission will push the proposed work. Construction of a new channel diverting the Santa Ana river directly to the ocean, to prevent silt being deposited in the harbor, will be the first undertaking. The Commission consists of Linn L. Shaw, Santa Ana; K. E. Watson, Orange; J. W. Duckworth, Anaheim; J. A. Armitage, Sunset Beach, and Lew H. Wallace, Newport Beach.

PEARL HARBOR HOSPITAL BIDS OPENED.

WASHINGTON, D. C.—The following bids were received on June 28 at the Bureau of Yards and Docks, Navy Department, Specification 3931, for constructing hospital buildings at Pearl Harbor, H. T.

Hawaiian Dredging Co., Honolulu, H. T., item 1, \$379,745, 270 days; (2) \$328,808, 270 days; (3) \$50,937, 210 days; (4) \$28,128, 30 days; (5) add \$2,000.

C. L. Wold Co., 75 Sutter St., San Francisco, Calif., item 1, \$385,400, 270 days; (2) \$295,000, 270 days; (3) \$60,074, 270 days; (4) \$30,326; (5) \$1,250. Hannah Bros., 142 Sansome St., San Francisco, Calif., item 1, \$391,315, 310 days; (2) \$299,400, 300 days; (3) \$64,330, 300 days; (4) \$32,330; (5) \$1,365.

TO BUILD PACKING PLANT BY DAYS LABOR.

PHOENIX, Ariz.—John Sparks of Bisbee, will superintend the construction by day work of the large plant to be built on the Tempe road near Phoenix for the Arizona Packing Co. Excavating and work on the preliminary buildings were started at once. The Chicago Packing House Architectural & Engineering Co., of

Chicago, is preparing the plans for the buildings. It is said the plant will cost \$500,000.

ROAD CHANGE AND FENCE BIDS WANTED.

YREKA, Siskiyou Co., Cal.—At the last meeting of the County Supervisors plans and specifications for a change in Selad road, and for fencing same, were adopted, and the County Clerk instructed to call bids for the work, same to close August 4th, 10 A. M.

MOTOR AND PUMP AND SCHOOL HEATING SYSTEM BIDS WANTED

HANFORD, Kings Co., Cal.—Bids will be received by the Trustees of the Kings River School District up to August 7th, 2 P. M., for the installation of a 1-h. p. motor and a 1-inch pump for connecting with the present water system of the Kings River school house as per plans and specifications on file in the office of the Superintendent of Schools of Kings County. Separate sealed bids will also be received for the installation of a modern heating system in said Kings River school house, said system to be other than a store or furnace.

REINFORCED CONCRETE BRIDGE FLOOR BIDS WANTED.

STOCKTON, San Joaquin Co., Cal.—Bids will be received by the County Supervisors, Eugene D. Graham, County Clerk, up to August 5th, 10 A. M., for furnishing all material, labor, tools, and machinery and constructing a reinforced concrete bridge floor on a bridge over Duck Creek on the Stockton and Mokelumne Hill Road in Section 33, Township 3 North, Range 9 East, Mount Diablo Base and Meridian, about one and three-fourths miles northeast from Bellota, in accordance with the specifications prepared by County Surveyor F. E. Quail.

CONCRETE ROAD BIDS WANTED.

EUREKA, Humboldt Co., Cal.—Bids will be received by the County Supervisors, Fred M. Kay, County Clerk, up to July 24th, 10:30 A. M., for concreting the County road between Ferndale and Fern bridge, a distance of about 3 miles in Road District No. 1.

American Association of Engineers

OBJECTS AND SCOPE OF THE ASSOCIATION.

The American Association of Engineers was founded in 1915 to concentrate on the human side of engineering—the things which affect the engineer as a man and citizen as well as an engineer. It embraces civil, mechanical, electrical, mining, chemical engineers and all other technical men, for in this respect their interests are the same.

The objects of the Association are to raise the standards of ethics of the engineering profession, and to promote the economic and social welfare of engineers, especially by:

Affording means for the interchange of information beneficial to members of the engineering profession; maintaining a service clearing house for the benefit of the members; supervising proposed legislation affecting the engineering profession, and taking any action necessary or advisable to safeguard the profession's welfare; promulgating the Association's ideas through proper publicity, and fostering a brotherly spirit among engineers.

It goes into employment because this is the foundation of success of the individual. Other societies have neglected this fundamental point or at least have given it merely perfunctory attention. The Association believes in doing what other professional and business organizations are not doing for the advancement and protection of the highly trained man, to prevent the undermining of his work and influence by the unskilled or incompetent.

It goes into publicity, advertising, not for the benefit of the individual, but of all engineers, because it believes that engineers, as a whole, will be benefited if the public knows about the work already performed by the engineer and what can be gained in greater health, comfort and prosperity through his aid.

It goes into politics, not the partisan kind, but into the science or practice of the original meaning of the word, that of helping to direct affairs of public policy for the greatest good to the greatest number. It believes that the duty of all intelligent educated men or engineers, educated largely at public expense, should be to devote a part of their time individually and collectively to the affairs of the community, especially those which

touch upon the practice of engineering. Ours is a political government and every citizen is vitally interested in politics, and every engineer who does not take an intelligent interest in public questions and identify himself with the cause that appeals to his reason and sense of right fails in duty to himself, to his community, and to his country. Engineers have fallen far short of their duties and privileges in this respect. They have considered politics as debasing to their organizations. There is corrupt politics, but this is so because the men who should have kept it righteous have stood aside. It is our duty to come to the front in this public service.

Why have engineers done so little in this direction? It is because the older societies established precedents which have hampered their participation in public affairs. They were early impressed with the danger of being considered unprofessional or of falling into the category of commercialism. They have succeeded in advancing technical knowledge, but failed in advancing the professional status of the engineer. Their aggregate man-power is not efficiently organized for public service.

The American Association of Engineers places no other limits on its activity in public affairs than those imposed by strict adherence to a correct ethical standard.

SAN FRANCISCO CHAPTER MEETINGS.

It will not be long before we shall have two lines of activity for the Chapter which will call for two meetings a month, one, a social meeting, with the tables spread, invitations issued, speakers booked and a general live, peppy program arranged by our able program committee; another, the regular dry business meeting, on the first Tuesday in the month, where all the weighty affairs of state will be brought out and discussed. These business meetings should open at exactly the time set with a roll call and the doors closed, a fine of fifty cents entered on the books against any one absent who had not sent a proper business excuse as excuse for not being present. All voting on important matters should be by roll call. All committees should be required to be present and give an account of what

they had accomplished in the tasks entrusted to their care. If a committee had a final report to make a discussion of the findings of the committee could be started while the whole matter was still fresh in the minds of the men. After the committee reports the communications, both written and verbal, would claim the attention of the meeting; then unfinished business from previous meetings and new business could be taken up and disposed of. By following a certain routine at every business meeting, insisting on reports from the appointed committees and making the committees do the work they were appointed to do, we will make progress in the task we have set ourselves in joining the A. A. E., and forming the S. F. Chapter. I do not expect everybody to agree with me but lets hear from the other fellow. These pages are open to discussion of this kind.

G. M. N.

THE ENGINEER AND THE PUBLIC.

Engineering Leadership.

"Engineers are steadily moving into the forefront of the professions. This enviable position was once held by the clergy, then by the law, and then by medicine. Engineers now are having their turn—or soon will be having it. It is a responsible place in society. To lead, to guide—that is it. Therefore, bearing this tremendous responsibility, engineers should live cheek to jowl and elbow to elbow with society. Engineers should understand humanity—its foibles, its weaknesses, its governing sciences. Men in the profession should know something besides laws which have nothing to do with society as such. Mathematicians never bred cats, for instance—though mathematics might at times be strained to keep count of the kittens; nor has chemistry or physics ever accounted for John's red hair, when John's father and mother both have raven locks.

"Something is wrong with the profession—has been wrong from the first. Engineering courses are not quite what they should be—not quite complete. If they were engineers would be different. They would think in channels somewhat broader than they do; they would see with clearer and more generous vision—if, having once moved into the forefront, as they will, they would remain there—would

MEMBERSHIP TABLE FOR 1919

GRADE	Dec. 31, '18	January	February	March	April	May
Certified Members	1890	217	222	298	417	361
Junior Members	300	30	40	43	42	56
Cand. Jr. Members						9
Student Members	153	10	23	18	24	37
Associate Members	42	3	5	2	8	7
TOTAL	2385	259	290	361	491	470
GRAND TOTAL		2644	2934	3295	3786	4256
Applications		427	460	560	973	1330

not go back—as the clergy has gone back, as the law has gone back, as medicine is going back. Once to the front, engineers could stay there. They could stay there if only they would profit by the mistakes of their brethren in the older professions, and study the New Management. Which means that engineers have got to forget some things and learn some other things. Forgetting, and learning, they will have attained to mastery over the world.

"The human element, after all, despite mechanical perfection, despite the laws governing the sum of two figures, is the vital element, the element that makes or breaks—the one science above all sciences deserving of consideration and study on the part of the engineering fraternity.

"Engineers as a race have not studied it. They have considered it, of course, as in the designing of apparatus; but this consideration for the most part may be summed up and dismissed—as it is summed up and dismissed in all drawing-rooms—in a single compound word, 'fool-proof.' Making a thing fool-proof, and the engineer, as he sees it, has done his bit. In this direction a few engineers have done a great big bit—automatic machinery in some fields creates wonder and amazement in the onlooker. But these instances have been rare—few and far between—and the work of a very small group of engineering minds. And while the word 'fool-proof'—itself symbolic of the mental attitude of the engineering world toward humanity at large—is a word well understood in engineering circles, yet the human element as a factor in the operation of machinery is not taken into consideration as much as it could be, should be, and will be, in time."

"Out of all this emerges a broad general conviction. It is that the engineering mind, taken collectively, is a narrow mind. It is a narrow mind—and, personally, I believe it is—it is so by reason of the specialized intensive training given engineers in preparation to pursue their profession. Of all the students in any university, 'engineers' are seen least on the campus, least in the gymnasium, least on the track and field. They haven't the time. It would be better for the profession if this were otherwise. Campus and gymnasium are places where the human side is brought out, and it is the human side that is lacking in development of the average engineer. Anything that would tend to develop this in the man would likewise tend to develop it in his profession. Recognition and knowledge of the foibles of humanity would broaden and soften. Thus he could not but exercise the fundamental laws surrounding the New Management to the betterment and advancement of the profession as a whole."—C. M. Horton in *Industrial Management*.

FILING AND KEEPING ENGINEERING DATA.

Do you ever find need for data? Would a handbook—either for your personal use or for the use of the men over whom you have charge be of

value if it could contain only that data which you desire, a few blank sheets for memoranda—and nothing more? A note book complete in every detail you require and yet of pocketable size? One which from day to day you could change to fit your needs for that day? Then do as the Coast Artillery Corps did: call on Lefax.

As publishers they found themselves poorly equipped to furnish food, clothing, ordnance or ammunition to aid in winning the war. But their opportunity came when from Ft. Monroe came the call for data in compact, usable form from which to compute firing data. Most of that which was needed was found already available, from log, and trig. tables to Polaris and Solaris orientation table. The few extra sheets needed were added in the form of the Heavy (Coast) Artilleryman's Field Pocket-book Lefax took its place behind the Big Guns in France.

I have myself found this system (Lefax) extremely useful, both in compiling purely technical data and also in keeping a personal set of notes and data on any inquiry received at my office, and investigation made whether same lead to a construction job or not.

G. M. N.

A WORD FROM THOMAS A. EDISON

The world will not go right continuously till the man on the street in every nation achieves a sense of personal responsibility with regard to the affairs of government. Not only must the higher officials, entrusted with the management of things in whatever way may be the custom of each country, be honest, high-minded and progressive, but they must watch continually and show real forethought. * * *

After all, imagination may be regarded as a prime necessity in government as it is in literature, oil production, invention—everything. That which we designate imagination is really one of the rarest qualities of the brain. It is not as common as people generally suppose; in fact, it is not as highly developed in the higher leaders of nations as in the great industrialists and men of business in America. It was plain to many of the latter and to some of the popular leaders with imagination, what would be the result on America should Germany crush France and gain the Channel ports. Had action been taken or even had plans for action been made upon the opening of the war, we know that it would have shortened the war and saved countless lives.

From now on the world will demand better government and especially government more mentally acute. Democracy is easnrid prandf f-sl Democracy is spreading and the greatest danger lying in democracy is its tendency toward the establishment of huge, inefficient bureaucracy.

That is what we all must struggle to avoid. We must try to debureaucratize democracy. But even if we do not, democracy still will be better than autocracy, no matter how that might be modified, for, though inefficient, democracy will leave the people

free if they do not sleep on their rights.

But there are possibilities of efficiency in democracy which never have been realized. The reason for this is that as long as people remain free and know they have the power of change, they don't mind inefficiencies. Efficiency would astonish them. The former is an attitude of mind out of which we must educate ourselves.

What we need in order to advance America and to increase the wealth and happiness of the American people is to give the business men and industrial master builder a free hand, with just enough bureaucracy to control them by practical laws that will make them sail as close to the Golden Rule as is practicable.

I cannot see that governments are improving their capacity to manage the affairs of the people. They are not advancing like industry. Industry, if freed from the irritating meddling of stupid bureaucracy, will advance with great strides. In the last six years we have made more advances in production by automatic machinery than in the previous twenty years. Imaginative men in all parts of the world are working with ceaseless energy to bring what now are called luxuries within the reach of the man with the hoe—who soon won't have to use a hoe. If this is not interfered with, the present standard of wages can be kept up, in fact can be advanced. Automatic machinery means high wages. No machinery, as in China, means low wages. Automatic machinery does not throw men out of work, as it appears to at first sight.

Automatic machinery cheapens things so that many can buy. If the machinery now is made still more intricate and produces with greater speed, and still further cheapens, there will be an enormous increase in buyers, and so on.

Henry Ford made and sold before the war 60,000 cars per month, and sold them for \$350 each, employing 25,000 men. If more automobile machinery were to be introduced in Ford's shops and all the shops from which Ford buys his material, he probably could sell his car for \$175. This price would bring it within the means of several times more people, and Ford and all the shops would have to employ more men. * * *

—San Francisco Chronicle.

Join the A. E. E.—Because:

There is no other engineering association like it.

It fulfills the greatest need of the individual engineer and of the engineering profession.

It is an economic force that will give you recognition for your valuable services.

It will raise your standard of thinking and acting.

It will safeguard your community against wasteful administration of public funds through helping to put engineers in engineering public offices.

It is patriotic to the core.

It stands for idealism, yet for aggressive action.

ADVANCE NEWS

Official Proposals, Etc.

Plans Approved by City Council.

WAREHOUSE Cost, \$—
OAKLAND. Foot of 7th Street.

One-story reinforced concrete warehouse.

Owner—Parr-McCormick Terminal Company.

Engineer—W. N. Ball, Foot of 7th St., Oakland.

Contract Awarded.

AUTO SADES ROOM Cost, \$91,000
SEATTLE, Wash. NW 12th Avenue and Pine Street.

Three-story and basement brick auto sales rooms, offices and garage quarters, 120x121.

Owner—Chanslor & Lyons Co.

Engineer—H. Bittman, Securities Bldg., Seattle.

Contractor—H. D. Stewart, American Bank Bldg., Seattle.

Plans Being Figured.

RESIDENCE Cost, \$3,500
CORINTHIAN ISLAND, Marin Co., Cal. S side Bellview Avenue.

One-story and basement frame residence (5 rooms).

Owner—Withheld.

Architect—J. E. Krafft & Son, Phelan Bldg., San Francisco.

Plans Being Prepared.

SCHOOL Cost, \$—
MT. ANGEL, Oregon.

One-story brick school building, 198 x166, 10 class rooms & auditorium
Owner—Mt. Angel School District.

Architect—Edw. A. Miller, 518 Henry Bldg., Portland, Ore.

Plans Being Prepared.

GARAGE Cost, \$—
BAKERSFIELD, Kern Co., Cal. 22nd Street and Chester Avenue.

Brick garage.

Owner—Mrs. Lena Meditz.

Lessee—Kern County Motor Co.

Architect—Thos. B. Wiseman, Bakersfield, Cal.

Plans Being Figured. Bids Close

Aug. 7, 1919, 10 A. M.

LIBRARY Cost, \$—
DELANO, Kern Co., Cal.

Onestory hollow tile library.

Owner—Kern County.

Architect—Thos. B. Wiseman, Bakersfield, Cal.

Certified check for 10% required. F. E. Smith, Clerk.

Contract Awarded.

STORE BLDG., ETC. Cost, \$30,000
FRESNO, Fresno Co., Cal. Van Ness Avenue adjoining Liberty Theatre

One-story fireproof restaurant and store building (south section 37½ x150; north section 37½x150).

Owner—Rasmussen & Jovanovich.
Architect & Contractor—R. F. Felchlin, Rowell Bldg., Fresno.

Concrete and Carpenter Work Let.
Other Contracts to be Let Shortly

SCHOOL Cost, \$—

SAN FRANCISCO. Fourteenth Ave. and Irving Street.

Two-story reinforced concrete school (13 class rooms).

Owner—Roman Catholic Archbishop of San Francisco. St. Ann's Parish
Architects—W. D. Shea and H. A. Minton, 244 Kearny St., San Francisco.

Carpenter and concrete work awarded to J. J. Leonard, 180 Jessie St., at \$47,825.

Plans Being Prepared.

HOTEL Cost, \$250,000
VALLEJO, Solano Co., Cal. Virginia and Sonoma Streets.

Six-story reinforced concrete hotel 140 rooms.

Owner—Hotel Admiral Co., Inc., H. E. Weston. Manager, 808 Mechanics Inst. Bldg., San Francisco.

Architect & Contractor—MacDonald & Kahn, Rialto Bldg., San Francisco

Contracts Awarded.

ALTERATIONS Cost, \$30,000
SAN FRANCISCO. Powell and O'Farrell Streets (Manx Hotel Bldg.)

Alter candy store and tea room (store fronts, fixtures, etc.)

Owner—Townsend's Candy Co., Grant Ave., San Francisco.

Architect—Alfred Kuhn, 833 Market St., San Francisco.

Carpenter work awarded to W. D. Henderson.

Wood work to Mullin Mfg. Co.

Plastering to McGruer & Simpson.

Marble to Musto Sons-Keenan Co.

Plumbing and heating, etc., to R. Dalziel, Jr.

Plans Being Figured.

SCHOOL Cost, \$12,000
GRAFTON, Yolo Co., Cal. Knights School District.

One-story hollow tile school (2 rooms)

Owner—Knights School District.

Architect—Chester Cole, Chico. (28253) 1st report June 24, 1919.

Plans Complete.

WHOLESALE BLDG. Cost, \$—
HONOLULU.

Five-story reinforced concrete and hollow tile wholesale building.

Owner—Mr. Davies, Honolulu.

Architect—Louis Mullgardt, Chronicle Bldg., San Francisco.

Mr. Mullgardt left last week for Honolulu to have plans approved by the owner.

Plans Prepared.

GARAGE Cost, \$34,000

SAN FRANCISCO. 50 Vara District.

One-story and basement reinforced concrete garage, 65x120.

Owner—O. H. Curtz.

Architect—Wm. Helbing, 517 Hayes St., San Francisco.

Contract Awarded.

DWELLINGS Cost, \$4,000 each
SAN FRANCISCO. San Jose Avenue near Santa Ynez.

Five two-story frame dwellings.

Owner—Mission Terrace Co.

Architect—H. C. Bauman, 251 Kearny St., San Francisco.

Contractor—Olof Olson, 68 Santa Ynez Ave., San Francisco.

Plans to be Prepared. Deal for Site Not Yet Closed.

WAREHOUSE Cost, \$125,000
SACRAMENTO, Cal. 21st and "R" Streets.

Six-story reinforced concrete warehouse, 80x320.

Owner—Fred Warren, Wm. Hicks and W. E. Burgess (Capital Van & Storage Co.), 805 "L" St., Sacramento.

Architect—Not Yet Selected.

Site Purchased. Plans to be Prepared

THEATRE Cost, \$40,000
NAPA, Napa Co., Cal. First and Franklin Streets.

Reinforced concrete theatre building (seating capacity of 1500).

Owner—R. B. Blumenfeld, Napa, Cal.

Architect—Not Given.

Plans Being Prepared.

ALTERATIONS Cost, \$—
REDWOOD CITY, San Mateo Co., Cal.

Alter and add to one and two-story frame factory.

Owner—Pacific Silicate Co., Redwood City, Cal.

Architect—Not Given.

To Erect Manufacturing Plant.

FRESNO, Fresno Co., Cal.—C. F. Buckland of the Flower Manufacturing Company, announces a plant will be built in Fresno to manufacture the Motor-meter lock, an invention of W. A. Flower of Fresno. An initial order amounts to \$64,000.

Commissioned to Prepare Plans.

SCHOOL Cost, \$—

CHICO, Butte Co., Cal.

High School Building.

Owner—Chico High School District.

Architects—Woollett & Lamb, Physicians' Bldg., Sacramento.

(28329) 1st report June 27, 1919.

To Be Done by Days Work.

APARTMENTS Cost, \$30,000

FRESNO, Fresno Co., Cal.

Frame apartment house

Owner & Architect—R. F. Felchin Co., Rowell Bldg., Fresno.

Completing Plans. Segregated Figures to be Taken.

OFFICES, ETC. Cost, \$400,000

FRESNO, Fresno Co., Cal. "J" and Fresno Streets.

Twelve-story reinforced concrete office and store building, 50x150; 225 offices.

Owner—A. Mattel.

Architect—Eugene Mathewson, Cory Bldg., Fresno.

Engineer—J. H. Brunner, Sharon Bldg., San Francisco.

Preliminary Plans Prepared.

LODGE BLDG. Cost, \$—

MODESTO, Stanislaus Co., Cal. "I" and Eleventh Streets.

Five-story Class "A" lodge and store building.

Owner—Moose Lodge of Modesto.

Architect—John J. Donovan, Perry Bldg., Oakland.

Contract Awarded.

THEATRE Cost, \$150,000

WENATCHEE, Wash. Mission and Palouse Streets.

Brick theatre building, 125x120.

Owner—Liberty Theatres Co., Wenatchee, Wash.

Architect—E. W. Houghton, Lumber Exchange Bldg., Seattle.

Contractor—Dow & Ryden, Peoples Bank Bldg., Seattle.

Steel Contract Awarded.

ADDITION

Total cost of building, \$600,000

SAN FRANCISCO. Stockton and California Streets.

Furnishing and erecting steel for addition to Class "A" office building
Owner—Metropolitan Life Insurance Company.

Architect—J. R. Miller, Lick Bldg., San Francisco.

Contractor—U. S. Steel Products Co., Rialto Bldg., San Francisco.

Plans Being Prepared.

APARTMENTS Cost, \$—

SAN FRANCISCO. S Sutter St., bet. Taylor and Jones Sts, 45-10x137-6

Five-story and basement Class "C" apartment house (80 rooms; 2 and 3 room apts).

Owner—Withheld.

Architect—Rousseau & Rousseau, 110 Sutter St., San Francisco.

Plans Being Figured.

BUNGALOW Cost, \$5,000

FERNWAY FARMS, Contra Costa Co. One-story frame bungalow.

Owner—G. W. McNear.

Architect—B. G. McDougall, Sheldon Bldg., San Francisco.

Contract Awarded.

HOTEL & STORES Cost, \$40,000

LOVELOCK, Pershing Co., Nevada.

Two-story Class "C" hotel and stores
Owner—Young & Goodin.

Architect—W. O. Lewis, Lovelock, Nev., and Cr. B. G. McDougall, Sheldon Bldg., San Francisco.

Contractor—Jerry Bernasconi, Lovelock, Nevada.

Being Done by Days Work.

ALTERATIONS Cost, \$5,000

SAN FRANCISCO. No. 523 Mission.

Alter store and offices.

Owner—Holabird Elec. Co., Premises

Architect—Benj. G. McDougall, Sheldon Bldg., San Francisco.

Plans Being Prepared.

AUTO SHOP Cost, \$—

SAN FRANCISCO. S Fell Street bet. Van Ness Ave. and Franklin St.

One-story reinforced concrete auto shop building.

Owner—Withheld.

Architects—Rousseau & Rousseau, 110 Sutter St., San Francisco.

Day Work.

ALTERATIONS Cost, \$15,000

LOVELOCK, Pershing Co., Nevada.

Alterations to old Lovelock Hotel.

Owner—Young & Goodin.

Architect—W. O. Lewis, Lovelock, Nevada, and Cr. B. G. McDougall, Sheldon Bldg., San Francisco.

Day's work.

LOFT BUILDING Cost, \$18,000

SAN FRANCISCO. Howard Street bet. First and Second Streets.

Two-story and basement brick or concrete stores and loft building, 73x95

Owner—Bothin Realty Co., Atlas Bldg. San Francisco.

Architect—J. A. Ettler, 301 Atlas Bldg. San Francisco.

Preliminary Plans Prepared.

RESIDENCE Cost, \$—

MARTINEZ, Contra Costa Co., Cal. Mellus and Estudillo Streets.

One-story frame residence.

Owner—Contra Costa Gas Company.

Architect—W. A. Doctor, 314 Main St., Martinez, Cal.

Days Work.

STORES, ETC. Cost about \$4,000

SAN FRANCISCO. Natoma St., bet. First and Second Streets.

Two-story brick or concrete stores and manufacturing building, 23 x80.

Owner—Bothin Realty Co., Atlas Bldg., San Francisco.

Architect—J. A. Ettler, 301 Atlas Bldg., San Francisco.

Contract Awarded.

GARAGE, ETC. Cost, \$30,000

FRESNO, (Fresno Co., Cal. No. 1445 Van Ness Avenue.

Fireproof garage and salesrooms.

Owner—L. S. Cobb & Co.

Architect & Contractor—R. F. Felchin, Rowell Bldg., Fresno.

Steel Bids Wanted by Architect

OFFICES, ETC. Cost, \$400,000

FRESNO, Fresno Co., Cal. "J" and Fresno Streets.

Twelve-story reinforced concrete office and store building, 50x150; 225 offices.

Owner—A. Mattel.

Architect—Eugene Mathewson, Cory Bldg., Fresno.

Engineer—J. H. Brunner, Sharon Bldg., San Francisco.

Contract Awarded.

APARTMENTS Cost, \$25,000

VALLEJO, Solano Co., Cal. Louisiana and Santa Clara Streets.

Two-story and basement frame (4 3-room) apartments, and two-story frame (4 2-room) apartments.

Owner—Carlos Rockwood and Jerome Kelleher, Vallejo.

Architect—Not Given.

Contractor—John Monk, 2056 Vallejo St., San Francisco.

Plans Being Prepared.

RESIDENCE Cost, \$6,500

PALO ALTO, Santa Clara Co., Cal.

One-story 7-room frame residence.
Owner—Withheld.
Architect—Arthur G. Scholz, Phelan
Bldg., San Francisco.

Ready For Figures in About 2 Weeks.
APARTMENTS Cost, \$28,000
SAN FRANCISCO. Guerrero St.
Three-story frame apartment house
(13 2 and 3 room apts.)
Owner—Withheld.
Architect—Arthur G. Scholz, Phelan
Bldg., San Francisco.

To be Done by Day's Work.
ALTERATIONS Cost, \$7,000
SAN FRANCISCO. W Buena Vista
Avenue S of Haight Street.
Alter three-story frame flat building
into 7 2 and 3-room apartments.
Owner—Withheld.
Architect—Arthur G. Scholz, Phelan
Bldg., San Francisco.

Plans Being Prepared.
GYMNASIUM Cost, \$12,000
TRACY, San Joaquin Co., Cal.
One-story frame gymnasium building
Owner—Tracy High School District.
Architect—W. H. Weeks, 75 Post St.,
San Francisco.

Plans Being Prepared.
RESIDENCE Cost, \$30,000
HILLSBOROUGH, San Mateo Co., Cal.
Two-story and basement frame residence.
Owner—E. B. Breeden.
Architects—Bakewell & Brown, 251
Kearny St., San Francisco.

Plans Being Prepared.
RESIDENCE Cost, \$22,000
SAN FRANCISCO. Presidio Terrace.
Two-story and basement frame and
plaster residence.
Owner—M. H. Salz, San Mateo.
Architect—Lewis P. Hobart, Crocker
Bldg., San Francisco.

Sub-Figures to be Taken.
OFFICE BUILDING Cost, \$—
SAN FRANCISCO. SE California and
Sansome Streets.
Twelve-story Class "A" steel and
reinforced concrete office building
Owner—Balfour-Guthrie Co.
Architect—Geo. W. Kelham, Sharon
Bldg., San Francisco.
Engineer—H. J. Brunnier, Sharon
Bldg., San Francisco.
Contractor—P. J. Walker Co., Monad-
nock Bldg., San Francisco.

Plans are complete and work will
be started immediately. Sub-Figures
will be taken in a few days.

Figures Being Taken From a Selected
List of General Contractors: Bids
Close July 26, 1919.

CREAMERY BLDGS. Cost, \$—
LOS BANOS, Merced Co., Cal.
Group of 3 reinforced concrete and
brick creamery buildings (main
building 3 stories high, 150x150,
power house and casein building)
Owner—Los Banos Creamery Ass'n.
Lessee—California Central Creamery,
Los Banos, Cal.
Designer and Engineer—H. J. Brun-
nier, Sharon Bldg., San Francisco

Contract to be Awarded.
RESIDENCE Cost, \$25,000
ATHERTON, San Mateo Co., Cal.
Two-story attic and basement hollow
tile and frame residence.
Owner—Cutler Bonestell.
Architect—A. D. R. Sullivan, New
York.
Local Architect—August G. Headman,
New Call Bldg., San Francisco.
Contractor—W. C. Duncan, Sharon
Bldg., San Francisco.

Completing Plans. Excavation and
Grading Awarded.
AUTO SALES ROOM Cost, \$200,000
SAN FRANCISCO. Van Ness Avenue
near Sacramento Street.
Four-story and basement reinforced
concrete auto sales building.
Owner—Withheld.
Architect & Contractor—MacDonald &
Kahn, Rialto Bldg., San Francisco
Excavation and grading awarded to
Sibley Grading & Teaming Co., 284
Dolores St. Sub-Figures to be taken
in about a week.

Owner to Take Sub-Figures.
FLAT BUILDING Cost, \$12,000
SAN FRANCISCO. Twentieth Avenue
and Balboa Street.
Two-story frame and plaster flat
building (4 4 and 5-room flats).
Owner—C. Oyen and Mipust, Prem.
Architect—C. O. Clausen, Hearst Bldg.
San Francisco.

Plans Being Prepared.
RESIDENCES Cost, \$6,000 to \$9,000
SAN FRANCISCO. St. Francis Wood.
Three two-story frame residences (6
to 8 rooms each and a one-story
5-room bungalow).
Owner—Withheld.
Architect—Henry H. Gutterson, 278
Post St., San Francisco.

Plans Being Prepared.
AUTO SALES ROOM Cost, \$80,000
PORTLAND, Oregon.
Three-story reinforced concrete auto
sales rooms.
Owner—Mitchell, Staver & Lewis Co.,
Portland, Oregon.
Architects—Houghtaling & Dougan,
Henry Bldg., Portland, Ore.

Plans Being Prepared. Contract
Awarded on Percentage Basis.
OFFICE BLDG. Cost, \$750,000
TACOMA, Washington.
Twelve-story Class "A" steel frame,
with wood trimming interior of-
fice building, 65x100.
Owner—W. R. Ruts.
Architects—Sutton & Whitney, Port-
land, Ore., and National Realty
Bldg., Tacoma, Wash.
Contractor—J. E. Bonnell.

To Call New Bids For School Build-
ings. Roofing and Plumbing Con-
tract Awarded.

NORTH SACRAMENTO, Sacra-
mento Co., Cal.—No bids were receiv-
ed by Architect Alexander Willoner,
403 21st St., Sacramento, for the
concrete work, mill work and paint-
ing for additions to two North Sacra-
mento schools for which bonds of
\$20,000 were recently voted.

A new call for bids will be issued
for this work. The contract for roof-
ing was awarded to the Capital Roof-
ing Co., 417 31st St., Sacramento, and
the plumbing awarded to A. W. Sweet,
North Sacramento.

Contract Awarded.
GARAGE Cost, \$12,500
FRESNO, Fresno Co., Cal. South "J"
Street.

One-story brick garage, 50x150.
Owner—Darbinian Bros.
Lessee—Chas. Foreman Sales Co.,
Agents Eriscoe Car.
Architect—Edward T. Foulker, Crock-
er Bldg., San Francisco.
Contractors—Trehwhitt & Shields,
Rowell Bldg., Fresno.
(28382) 1st report June 30, 1919.

Contract Awarded.
ALTERATIONS Cost, \$10,000
SAN FRANCISCO. SW Polk and Cal-
ifornia Streets.

Alterations to stores in two-story
frame building (interior fixtures,
new floors, decorations, etc.)
Owner—Blum's Candy Co., 1465 Polk
St., San Francisco.

Architects—Arthur S. Heinemann &
Co., Monadnock Bldg., San Fran-
cisco and 831 San Fernando Bldg.,
Los Angeles.

General Contract awarded to Geo.
Wagner, 251 Kearny Street.
Fixtures to S. Kulchar Co., 8th Ave.
and E-10th Sts., Oakland.
(28201) 1st report June 20, 1919.

Ready to Take Sub-Figures July 22d.
ALTERATIONS Cost, \$15,000
SAN FRANCISCO. SW First Avenue
and California Street.
Alter and add to apartment house.
Owner—Withheld.

Architects—Rousseau & Rousseau,
110 Sutter St., San Francisco.

Preliminary Plans Prepared.

THEATRE, ETC. Cost, \$150,000
MODESTO, Stanislaus Co., Cal. W
Side Tents Street, bet. "J" and
"K" Streets.

Class "A" theatre and store building
Owner—A. J. Rich & Co., 58 Sutter
St., San Francisco, for Ackerman
& Harris, San Francisco.

Engineer & Designer—Palmer & Pet-
erson, Monadnock Bldg., San
Francisco.

Ready to Take Segregated Figures July 2nd.

APARTMENTS Cost, \$150,000
SAN FRANCISCO. NE Bush and
Taylor Sts., 45-10x100 on Taylor.
Six-story and basement reinforced
concrete apartment house (2 and
3 room apts.)

Owner—Arthur Rousseau, 110 Sutter
St., San Francisco.

Contract Awarded For School.

MARICOPA, Kern Co., Cal.—Fred
Gribble, 2530 Chester St., Bakersfield,
was awarded the contract at \$17,686
for alterations and additions to the
school building in the Paeto School
District.

Contract Awarded.

ADDITION Cost, \$24,000
SACRAMENTO, Cal. SE 15th and "K"
Streets.

Add one story to one-story brick and
concrete auto sales building.

Owner—Wasserman & Gattman.

Lessee—J. J. Jacobs Co.

Architect—R. A. Herold, Forum Bldg.,
Sacramento.

Contractor—Wm. Murcell, Ochsner
Bldg., Sacramento.

Plans Being Figured.

ADDITION Cost, \$250,000
SAN FRANCISCO. N Bush E of Hyde
Two six-story Class "A" additions to
hospital, 35x180x35x80.
Owner—St. Francis Hospital, Prem.
Architect—Alfred I. Coffey, Humboldt
Bank Bldg., San Francisco.

Plans Being Prepared.

CHURCH Cost, \$60,000
MONROVIA, Cal. NE Myrtle Avenue
and White Oak Street.

Brick church.

Owner—Monrovia Presbyterian
Church.

Architect—H. M. Patterson, 324 O. T.
Johnson Bldg., Los Angeles.

Plans to be Prepared.

MILK PLANT Cost, \$70,000
MODESTO, Stanislaus Co., Cal. 9th
"E" and 11th Streets,

Fireproof dry-powdered milk plant.
Owner—Milk Producers' Ass'n. of
Central California, Modesto.

Architect—Not Given.

Plans Being Prepared.

THEATRE, ETC. Cost, \$35,000
WHITTIER, Los Angeles Co., Cal.
Two-story hollow tile theatre and
store building, 50x145.

Owner—H. J. Siler, Truman Berry &
J. H. Gwin.

Architects—A. R. Walker and P. A.
Eisen, 1402 Hibernian Bldg.,
Los Angeles.

Plans Being Prepared.

THEATRE, ETC. Cost, \$30,000
OXNARD, Ventura Co., Cal.
One-story brick theatre and store and
apartment building, 100x140 (3
stores and 8 apts).

Owner—Mrs. Anna Holst.

Architect—H. H. Whiteley, 428 Story
Bldg., Los Angeles.

SCHOOL BONDS.

COMING, Tehama Co., Cal. Bonds
of \$46,000 with which to finance con-
struction of a new grammar school
building carried at an election held
recently.

Plans Being Prepared.

THEATRE Cost, \$—
MONROVIA, Los Angeles Co., Cal.
Class "C" motion picture theatre, 88x
54.

Owner—Mrs. Castle.

Architect—S. M. Cooper, 802 Story
Bldg., Los Angeles.

To be Done by Days Work.

FRAME FLATS Cost, \$12,000
SAN FRANCISCO. Filbert Street near
Polk Street.

Three-story frame flats.

Owner—A. Cook.

Contractor—Walter C. Falch, Hearst
Bldg., San Francisco.

Segregated Figures Being Taken.

APARTMENTS Cost, \$52,000
SAN FRANCISCO. S Jackson Street
W Van Ness Avenue.
Three-story Class "C" apartment
house, (12 5-room apts).

Owner—H. W. Burnham.

Architect—A. H. Knoll, Hearst Bldg.,
San Francisco

Plans Being Prepared. Grading Fig- ures Being Taken.

AUTO SALES BLDG. Cost, \$—
SAN FRANCISCO. NE Post and Hyde
Streets.

Four-story Class "A" reinforced con-
crete building. Auto Sales Bldg.

Owner—Withheld.

Architects—Rousseau & Rousseau,
110 Sutter St., San Francisco,

Plans Being Figured.
MACHINE SHOP, ETC.

Cost, \$100,000

SAN FRANCISCO. SE Golden Gate
Avenue & Franklin Street, 137-6
x120.

Two-story and basement fireproof
auto salesrooms & machine shop.

Owner—Withheld.

Architects—Rousseau & Rousseau,
110 Sutter St., San Francisco.

Plans Being Prepared.

PACKING HOUSE Cost, \$70,000
COVINA, Los Angeles Co., Cal.
One-story and basement hollow tile
packing house, 150x150.

Owner—Covina Citrus Association.

Engineers—W. P. Shepherd and Her-
bert Hamm, 315 Central Bldg.,
Pasadena.

Preliminary Sketches Prepared.

BANK, ETC. Cost, \$45,000
TRACY, San Joaquin Co., Cal. Eighth
and Central Avenue.

Two-story brick bank, stores and of-
fices, 125x65.

Owner—Leo Schmidt and G. A. D.
Buschke, Tracy, Cal.

Architect—W. H. Weeks, 75 Post St.,
San Francisco.

Plans Being Prepared.

MADERA, Madera Co., Cal., County
Hospital.

ADMINISTRATION SECTION

Cost, \$100,000.
Two-story fireproof administration
section with 2 one-story wings for
wards (granite and concrete with
tile roof).

Owner—Madera County.

Architect—Eugene Mathewson, Cory
Bldg., Fresno.

Plans Being Figured.

ALTERATIONS Cost, \$2500
SAN FRANCISCO. Caynga Avenue.
Alter frame residence.
Owner—J. Lasalle.
Architect—Albert J. Fabre, Cr. French
Bank, 110 Sutter St., San Fran-
cisco.

Ready for Figures End of This Week APARTMENTS

Cost, \$75,000
SAN FRANCISCO. SW Gough and
Sacramento Streets.
Four-story and basement brick apart-
ments (8 apts.)

Owner—Lafayette Invst. Co.

Architect—S. Heiman, 57 Post St.,
San Francisco.

Bids will be taken for a general
contract, except steam heating system
and elevator.

CONTRACTS AWARDED

Liens, Acceptances, Etc.

BUILDING CONTRACTS.

San Francisco County.

No.	Owner	Contractor	Amt.
1374	Giacobbi	Lechner	40000
1375	Toy	Wagner	40000
1376	Sharon	Barrett	26500
1377	Ghirardelli	Larsen	25000
1378	Props	Props	22000
1379	Henkel	Henderson	5000
1380	Indoor Yacht	Owner	4000
1381	Garibaldi	Devencenzi	3000
1382	Peters	Peters	3000
1383	Vodden	Vodden	14000
1384	Allison	Johnson	9750
1385	Stratton	Morton	9500
1386	Great Ruby	Owner	9000
1387	Johnson	Johnson	8000
1388	Forset Hill	Fisher	7000
1389	McQuade	Gardner	2800
1390	Umbesen	Swenson	2400
1391	Gerard	Gerard	400
1392	Christ Church	Grace	12273
1393	Same	Cal Elec.	439
1394	Same	Williams	944
1395	Haynes	Stockholm	14505
1396	Booth	Amer	1980
1397	Giacobbi	Wienholz	1273
1397	Hall	Hall	3000
1398	S F A C	Collman	2000
1399	Peterson	Gilchrist	1000
1400	Ehrenfort	Rainey	795
1401	Nash	Nash	500
1402	Mer Nat'l Bk	Urfer	450
1403	Schwartz	Collman	450
1404	Schoenfeld	Schell	11100
1405	Heitzman	De Benedette	4050
1406	Yung	Rehn	2675
1407	Santa Fe	Hayes	20000
1408	Gallagher	Arnott	5000
1409	Same	Same	2500
1410	Ratto	Stickle	1200
1411	Peters	Leiter	850
1412	Rullhauser	Owner	500
1413	Holland	Holland	480
1414	Meyer	Britt	475
1415	Koeber	Koeber	400
1416	Mission	Olsen	16865
1417	Bruntton	Cameron	—
1418	Lowry	Mayer	750
1419	Same	Jones	22566
1420	Compagnia	Pasqualetti	8750
1421	Parker	Parker	2000
1422	Heller	Robinson	900
1423	White Lunch	Owner	800
1424	Parsons	Ham	500
1425	Nelson	Nelson	6500
1426	Nelson	Nelson	11000
1427	R C Archbishop	Leonard	47825
1428	Savage	Elvin	3000
1429	Colicchia	Lorbi	4400
1430	Willgroth	Kleeman	3000
1431	Crocker	Schell	900
1432	Douglas	Ellingson	900
1433	Alhambra	Andrews	500
1434	Drucker	Martin	12712
1435	Kummer	Zinkand	3000
1436	Hamill	Hamill	4000
1437	Bear	Bear	2000
1438	Wilsons	Novelty	1000
1439	Marine	Upham	935
1440	Markwitz	Owner	400

(1374) E SECOND 123 S Harrison. Three-story reinforced concrete Class "C" loft building. Owner—L. A. Giacobbi, 233 Post, S. F.

Architect—Edw. G. Bolles, 233 Post, San Francisco.
Contractor—P. J. Lechner, 233 Post, San Francisco.
COST, \$40,000

(1375) POWELL AND O'FARRELL; Hotel Manx. Alter hotel. Owner—Geo. E. Toy, 111 Montgomery San Francisco.
Architect—W. H. Weeks, 75 Post St., San Francisco.
Contractor—Daniel R. Wagner, 110 Jessie, San Francisco.
COST, \$40,000

(1376) N BRYANT 100 W 4th. One-story brick building. Owner—Sharon Estate, Sharon Bldg., San Francisco.
Architect—Geo. W. Kelham, Sharon Bldg., San Francisco.
Contractor—Barrett & Hilp, Sharon Bldg., San Francisco.
COST, \$26,500

(1377) NO. 940 NORTH POINT. One story brick addition to factory. Owner—D. L. & D. Ghirardelli & Co., Larkin & North Point, S. F.
Architect—Wm. Mooser, 1105 Nevada Bank Bldg., S. F.
COST, \$25,000

Brick work awarded to H. H. Larsen, 62 Post Street.
Carpenter work to G. Peterson, 62 Post Street.
Plumbing and electric work to O. Kurtz, 445 Stevenson Street.

(1378) S CLAY 141-10 E Polk. Three story and basement apartments. Owner—Laura C. Props, 1400 Webster, San Francisco.
Architect—None.
Day's work. COST, \$22,000

(1379) NO. 220 GRANT AVE. Alter store. Owner—J. J. Henkel Co.
Architect—Bliss & Favelle, Balboa Bldg., San Francisco.
Contractor—W. D. Henderson, Monadnock Bldg., San Francisco.
COST, \$5000

(1380) NO. 111 ELLIS. Alterations. Owner—Indoor Yacht Club, 4 Eddy, San Francisco.
Architect—O'Brien Bros., Inc., 240 Montgomery, San Francisco.
Day's work. COST, \$4000

(1381) E VAN NESS AVE 67-6 N Lombard. Two-story and basement frame residence. Owner—A. Garibaldi, 509 Columbus Ave., San Francisco.
Architect—J. Devencenzi, 1017 Union, San Francisco.
Contractor—Devencenzi Bros., 1071 Union, San Francisco.
COST, \$3000

(1382) W FIFTEENTH AVE 265 N Cabrillo. Two-story frame dwlg. Owner—J. M. Peters, 1010 Balboa, San Francisco.

Architect—None.
Day's work. COST, \$3000

(1383) W FOURTEENTH 25 and 49-6 N Cabrillo. Two two-story frame flats. Owner—Thos. Vodden & Son, 760 Cole, San Francisco.
Designer—Walter G. Vodden, 760 Cole San Francisco.
Contractor—Walter G. Vodden, 760 Cole, San Francisco.
COST, \$7000 each

(1384) SE TWENTY-THIRD AVE & Anza. Two-story frame residence. Owner—G. A. Allison.
Architect—None.
Contractor—Johnson & Johnson, 844 14th, San Francisco.
COST, \$9750

(1385) N YERBA BUENA AVE 163.78 E Santa Clara Ave. Two-story and basement frame residence. Owner—E. O. Stratton, S. F.
Architect—Henry H. Gutterson, 278 Post, San Francisco.
Contractor—John Morton, 744 Victoria Ave., San Francisco.
COST, \$9500

(1386) E BEALE 183-4 S Mission. One-story concrete public garage. Owner—The Great Ruby Gold Mining Co., 704 Chronicle Bldg., S. F.
Architect—None.
Day's work. COST, \$9000

(1387) NE ANZA AND TWENTY-fifth Ave. Two-story frame flats. Owner—Chas. A. Johnson, 47-a Lander, San Francisco.
Architect—C. O. Clausen, Hearst Bldg San Francisco.
Day's work. COST, \$8000

(1388) Lots 31 AND 32 BLK 3, Forest Hill. Two-story frame dwelling and club house. Owner—Forest Hill Association, 51 Sotelo, San Francisco.
Architects—B. R. Maybeck, Lick Bldg. and E. C. Young, 268 Mission, S. F.
Contractor—M. Fisher, 687 Mission, San Francisco.
COST, \$7000

(1389) N RAYMOND bet. Alpha and Beta. One-story frame residence. Owner—Thomas McQuade, 226 Raymond Ave., San Francisco.
Architect—H. D. Mitchell, 628 Montgomery, San Francisco.
Contractor—K. C. Gardner, 335 Raymond Ave., San Francisco.
COST, \$2800

(1390) NOS. 2424-26-28-30 HOWARD Repair fire damage. Owner—Umbesen, Kerner & Eisert, 20 Montgomery, San Francisco.
Architect—None.
Contractor Swensen & Franzen, 145 Natoma, San Francisco.
COST, \$2400

(1391) NO. 236 BROAD. One-story frame garage.
Owner—A. Gerard, Permisses.
Architect—None.
Day's work. COST, \$400

(1392) NE FIFTH AVE AND IRVING E 95xN 60. Concrete, grading, carpenter, plastering, roofing, glazing, painting, etc., for church, Sunday School and Study Building.
Owner—Christ Church Lutheran.
Architect—Ward & Blohme, Alaska Commercial Bldg., S. F.
Contractor—Grace & Bernieri, Claus Spreckels Bldg., San Francisco.
Filed July 14, '19. Dated July 9, '19.
Grading and concrete foundations complete\$1000.00
Frame done, enclosed and roof on 3000.00
Plastering flooring and glazing done 2000.00
Completed and accepted 3208.50
36 days after 3069.50
TOTAL COST, \$12,278
Bond, \$6139. Surety, Massachusetts Bonding & Insurance Co. Limit, 80 days. Forfeit, none. Plans and specifications filed.

(1393) ELECTRIC WIRING ON above.
Contractor—California Elec. Constr. Co. 641 Mission, San Francisco.
Filed July 14, '19. Dated July 9, '19.
Conduit work completed.....\$ 200.00
Completed and accepted..... 130.00
36 days after 109.50
TOTAL COST, \$439.00
Bond, \$219.75. Surety, National Surety Co. Limit, 70 days. Forfeit, none. Plans and specifications filed.

(1394) PLUMBING WORK ON above.
Contractor—J. R. Williamson (as H. Williamson Co.), 1376 Mission St., San Francisco.
Filed July 14, '19. Dated July 9, '19.
Roughing in completed and sewers laid\$400
Completed and accepted 308
36 days after 236
TOTAL COST, \$944
Bond, \$219.75. Surety, Fidelity & Deposit Co. of Maryland. Limit, 70 days. Forfeit, none. Plans and specifications filed.

(1395) NO. 3007 JACKSON. All work for alterations and additions to two story, basement and attic frame residence.
Owner—Capt. J. F. C. Hagens, Holbrook Bldg., San Francisco.
Architect—W. H. Crim Jr., 425 Kearny St., San Francisco.
Contractor—Chas. Stockholm & Sons, Monadnock Bldg., San Francisco.
Filed July 14, '19. Dated July 11, '19.
On 1st of each month 75%
Usual 35 days 25%
TOTAL COST, \$14,505
Bond, \$7253. Surety, New Amsterdam Casualty Co. Limit, 75 days. Forfeit, none. Plans and specifications filed.

(1396) SW CLAY & LAGUNA 137-6 on Clay by 63-10½ on Laguna. Grading, excavation, concrete and cement floors for three-story frame apartments.
Owner—Frank Booth, 1032 Lombard, San Francisco.
Architect—Henry Smith, Humboldt Bank Bldg., San Francisco.

Contractor—American Concrete Co., 785 Market, San Francisco.
Filed July 14, '19. Dated July 9, '19.
Grading done and concrete walls in\$1300
Cement floors and walls in 180
Usual 35 days 500
TOTAL COST, \$1980
Bond, \$1000. Sureties, P. Barale and J. P. Couhape. Limit, 18 days. Forfeit, \$5. Plans and specifications filed.

(1397) E SECOND 123 S Harrison S 67x E 130. Plumbing, sewerage, stand pipe and fixtures, etc., for reinforced concrete loft building.
Owner—L. A. Giacobbi, 150 Post, S. F.
Architect—Edw. G. Bolles, 233 Post, San Francisco.
Contractor—N. George Wienholz, 3508 Mission, San Francisco.
Filed July 14, '19. Dated June 12, '19.
Roughed in\$600
Completed and accepted 353
Usual 35 days
TOTAL COST, \$1273
Bond, \$635. Surety, National Surety Co. Limit, 100 days. Forfeit, none. Specifications only filed.

(1397) W EASTWOOD DRIVE 85 S Wildwood Way. One-story bungalow.
Owner—C. A. Hall, 1301 4th Ave., San Francisco.
Architect—None.
Day's work. COST, \$3000

(1398) NO. 77 O'FARRELL. Alter club rooms.
Owner—S. F. Architectural Club, Premises.
Architect—None.
Contractor—A. D. Collman, 110 Jessie San Francisco.
COST, \$2000

(1399) S MARKET 250 W Third. Alter market (meat department).
Owner—H. L. Peterson, 60 Post, S. F.
Architect—None.
Contractor—J. Gilchrist, 231 Stevenson, San Francisco.
COST, \$1000

(1400) E MISSION 50 S 21st. Alter theatre.
Owner—Ehrenpfort Theatre Co., Russ Bldg., San Francisco.
Architect—None.
Contractor—Wm. A. Rainey, 130 Jessie, San Francisco.
COST, \$795

(1401) NO. 411 UNIVERSITY. One-story frame cottage.
Owner—Sylvester H. Nash, 407 University, San Francisco.
Architect—None.
Day's work. COST, \$500

(1402) NO. 270 MARKET. Alter store.
Owner—Merchants National Bank, New Montgomery & Market, S. F.
Architect—None.
Contractor—Chas. E. Urfer, 134 Halleck, San Francisco.
COST, \$450

(1403) NO. 167 COMMONWEALTH AVE. One-story frame garage.
Owner—Mr. Schwartz, Premises.
Architect—S. Lighter Heyman, Crocker Bldg., San Francisco.
Contractor—A. D. Collman, 110 Jessie, San Francisco.
COST, \$450

(1404) SW BRYANT AND GILBERT 55x80. All work for two-story Class "C" factory building.
Owner—William Schoenfeld, 1985 Grove, San Francisco.
Architect—Lewis M. Gardner, Phelan Bldg., San Francisco.
Contractor—Samuel Schell, 180 Jessie, San Francisco.
Filed July 15, '19. Dated July 15, '19.
Bricks walls ready for 2nd floor joists\$2775
Rafters in place 2775
Completed and accepted 2775
Usual 35 days 2775
TOTAL COST, \$11,100

Bond, \$5550. Surety, American Bonding & Casualty Co. Limit, 40 days. Forfeit, none. Plans and specifications filed.
(1405) S COTTER 125 NW Mission 25 x100. All work for two-story and basement frame dwelling.
Owner—F. A. Heitzman, 4419 Mission, San Francisco.
Architect—L. S. Allen.
Contractor—A. De Benedetti, 20 Cotter San Francisco.
Filed July 15, '19. Dated July 15, '19.
Frame up\$1000
Brown coated 1000
Completed and accepted 1000
Usual 35 days 1050
TOTAL COST, 4050

Bond, limit, forfeit, plans and specifications, none.

(1406) SE SIXTEENTH & ALBION AVE. All work for plumbing for building.
Owner—Jakob Yung, 3151 16th, San Francisco.
Architect—Arthur G. Scholz, Phelan Bldg., San Francisco.
Contractor—Chas. Rehn, 2034 Mission San Francisco.

Filed July 15, '19. Dated June 16, '19.
On 1st and 15th of each month 75% of work done, etc 25%
Usual 35 days
TOTAL COST, \$2675
Bond, none. Limit, 14 days after notified. Forfeit, plans and specifications none.

(1407) NO. 1001 THIRD. Two-story office and freight house.
Owner—Santa Fe Railway Co., Los Angeles, Cal.
Architect—None.
Contractor—Hayes-Oser Co., Call Bldg., San Francisco.
COST, \$20,000

(1408) S REVERE 25 and 50 E Kieth Ave. Two one-story frame cottages
Owner—E. J. Gallagher, 112 Lyon, San Francisco.
Architect—None.
Contractor—Jas. Arnott & Son, 2223 19th Ave., San Francisco.
COST, \$2500 each

(1409) SE REVERE AND KIETH AVE. One-story frame cottage.
Owner—E. J. Gallagher, 112 Lyon St., San Francisco.
Architect—None.
Contractor—Jas. Arnott & Son, 2223 19th Ave., San Francisco.
COST, \$2500

(1410) NOS. 62-64 LAFAYETTE. Alter dwelling.
Owner—Maria Ratto, Premises.
Architect—None.

Contractor—R. C. Stickle, South San Francisco.

COST, \$1200

(1411) NO. 2715 SCOTT. Alter dwelling.

Owner—J. F. Peters, Premises. Architect—John R. Hamilton, Kohl Bldg., San Francisco.

Contractor—E. T. Leiter & Sons, Call Bldg., San Francisco.

COST, \$850

(1412) S TWENTY-FIFTH 28 E Douglass. Alter dwelling.

Owner—John H. Rullhauser, 4389 25th, San Francisco.

Architect—None. Day's work.

COST, \$500

(1413) NO. 458 PARIS. Alter dwlg. Owner—G. Holland, Premises.

Architect—None. Day's work.

COST, \$480

(1414) NO. 2730 BUSH. Alter basement for garage.

Owner—H. Meyer, Premises. Architect—None.

Contractor—O. W. Britt, 1115 Scott, San Francisco.

COST, \$475

(1415) NO. 1212 WALNUT. Alter for repair shop.

Owner—Koeber Watkins Co., Prem. Architect—None.

Day's work.

COST, \$400

(1416) MISSION TERRACE, Lots 1, 2, 3, 4 and 5 Blk "P". All work for five five-room cottages.

Owner—Mission Terrace Co., 275 Santa Rosa, S. F.

Architect—H. C. Baumann, 251 Kearny, San Francisco.

Contractor—Olaf Olsen, 68 Santa Ynez, San Francisco.

Filed July 16, '19. Dated July 10, '19.

Enclosed and roofs on.....\$4216.25

Brown coated.....4216.25

Completed and accepted.....4216.25

Usual 35 days.....4216.25

TOTAL COST, \$16,865.00

Bond, \$8432.50. Sureties, H. S. Thompson and L. H. Birth. Limit, 100 days.

Forfeit, \$1. Plans and specifications filed.

(1417) SW NINETEENTH AND VALENCIA 50x100. All work for one-story frame building used as battery exchange station.

Owner—Julius Brunton & Sons Co., 1035 Geary, San Francisco.

Architect—Lewis M. Gardner, Phelan Bldg., San Francisco.

Contractor—Cameron & Disston, Hearst Bldg., San Francisco.

Filed July 16, '19. Dated July 14, '19.

As work progresses.....75%

On completion.....25%

COST, Total Cost of labor and material and 10% added.

Bond, none. Limit, as soon as possible. Forfeit, none. Plans and specifications, none.

(1418) E VAN NESS AVE 25-6% S Ellis S 41-5% E 136-E N 70 W 27-6 S 25-6% W 109.

Rough and finish plumbing for one-story and basement brick and concrete bldg.

Owner—Nellie M. Lowry, Agnes Lowry and Isabel Soule, 80 Post, San Francisco.

Architect—Henry Shermund and Jno. T. Harnes, Mills Bldg., S. F.

Contractor—Ahlbach & Mayer, 107 Collingwood, S. F.

Filed July 16, '19. Dated July 16, '19.

Roughing in completed.....\$400.00

Completed and accepted.....162.50

Usual 35 days.....187.50

TOTAL COST, \$750.00

Bond, none. Limit, 60 days. Forfeit, \$5. Plans and specifications filed.

(1419) ALL WORK EXCEPT PLUMBING on above.

Contractor—Paul K. Jones, 180 Jessie, San Francisco.

Filed July 16, '19. Dated July 16, '19.

Excavation and basement walls completed.....25%

1st story brick walls completed.....25%

and trusses in.....25%

Completed and accepted.....25%

Usual 35 days.....25%

TOTAL COST, \$22,566

Bond, \$11,283. Surety, American Surety Co. Limit, 60 days. Forfeit, \$10. Plans and specifications filed.

(1420) S BROADWAY 137-6 W Montgomery W 63-9xS 97-6.

All work except painting and metal ceiling for alterations to two-story brick building.

Owner—La Societa di Mutuo Soccorso della Compagnia Garibaldina, Premises.

Architect—Paul F. De Martini, 2123 Powell, San Francisco.

Contractor—G. B. Pasqualetti, 32 Harwood Place, S. F.

Filed July 16, '19. Dated July 15, '19.

Roof on.....\$3275

Completed and accepted.....3275

Usual 35 days.....2200

TOTAL COST, \$8750

Bond, \$4400. Sureties, Emilio Devincenti and Marina C. Bricca. Limit, 70 days. Forfeit, none. Plans and specifications filed.

(1421) N LOMBARD 206-3 W Steiner One-story frame implement shed.

Owner—K. E. Parker Co., 519 California, San Francisco.

Architect—None.

Day's work.

COST, \$2000

ALTERATIONS

(1422) NO. 1116 MARKET. Alter store.

Owner—E. & S. Heller, 361 Mills Bldg San Francisco.

Architect—None.

Contractor—Robinson & Gillespie, 1051 Sutter, San Francisco.

COST, \$900

(1423) NOS. 553-555 SANSOME. Lay Hoffite asbestos floor.

Owner—White Lunch Co., 122 Kearny San Francisco.

Architect—None.

Day's work.

COST, \$800

(1424) NO. 325 DAVIS. Alter storage house.

Owner—S. L. Parsons, Pacific Grove. Architect—None.

Contractor—C. C. W. Ham, 180 Jessie, San Francisco.

COST, \$500

(1425) LOT 7 BLK 3165, Westwood Park. All work for one-story frame buigalow.

Owner—Hans Nelson, 747 19th Ave., San Francisco.

Architect—None.

Contractor—Nelson Bros., 747 19th Ave., San Francisco.

Filed July 17, '19. Dated July 14, '19.

Frame up, enclosed and roof on.....\$1625

Brown coated.....1625

Completed and accepted.....1625

Usual 35 days.....1625

TOTAL COST, \$6500

Bond, \$300. Sureties, Edwin T. Peterson and Chas. Monson. Limit, 90 days.

Forfeit, none. Plans and specifications filed.

(1427) FOURTEENTH AVE near Irving. Grading, concrete work, carpentry, etc., for Saint Ann's Parochial School.

Owner—The Roman Catholic Archbishop of San Francisco, 1100 Franklin St., San Francisco.

Architect—W. D. Shea and H. A. Min-ton, 244 Kearny, S. F.

Contractor—J. J. Leonard, 180 Jessie, San Francisco.

Filed July 17, '19. Dated July 16, '19.

On 1st and 15th of each month 75%

Usual 35 days.....25%

TOTAL COST, \$47,825

Bond, \$24,000. Sureties, Thos. McDermott and T. Dolly. Limit, Jan. 15, 1920

Forfeit, none. Plans and specifications filed.

(1426) W PLYMOUTH AVE 11.184 S from NE Cor. Lot 12 N 82 deg 23

min 52 sec W 97.919 N 35.821 S 84 deg 16 min 52 sec E 99.450 S 38.454

Ptn Lots 10, 11, 12 Blk 3177, Westwood Park; W Plymouth Ave 27.270

S from NE Cor. Lot 9 N 85 deg 47 min 58 sec W 99.079 N 35.823 S 87

deg 18 min 10 sec E 98.634 S 38.454

Ptn Lots 8 and 9 Blk 3177, Westwood Park. All work for two one-story frame bungalows and garages.

Owner—Hans Nelson, 747 19th Ave., San Francisco.

Architect—Chas. F. Strothoff, 2276 15th, San Francisco.

Contractor—Nelson Bros., 747 19th Ave., San Francisco.

Filed July 17, '19. Dated July 14, '19.

Enclosed and roof on.....\$2750

Brown coated.....2750

Completed and accepted.....2750

Usual 35 days.....2750

TOTAL COST, \$11,000

Bond, \$5000. Sureties, Edwin T. Peterson and Chas. Monson. Limit, 90 days.

Forfeit, none. Plans and specifications filed.

(1428) NE CLEMENT AND SIXTH Ave. Alter store building.

Owner—Peter R. Savage, 252 8th Ave., San Francisco.

Architect—Alfred A. Pyle, 1794 Hayes, San Francisco.

Contractor—Arthur Elvin, 425 Castenada, San Francisco.

Filed July 17, '19. Dated July 16, '19.

Concrete floor in place.....\$1000

Completed and accepted.....1500

Usual 35 days.....500

TOTAL COST, \$3000

Bond, \$1500. Sureties, Frank Elvin & Edw Rangle. Limit, 30 days. Forfeit, none. Plans and specifications filed.

(1429) W MISSION 193 S Ocean Ave. Two-story frame flats and store.

Owner—G. Colicchia, 4655-A Mission, San Francisco.

Architect—Jas. Bisio, 227 Brazil Ave.,

San Francisco.
Contractor—A. Lorbi, 353 Edinburg,
San Francisco.

COST, \$4400

(1430) NO. 273 EIGHTEENTH AVE.
One-story frame dwelling.

Owner—E. Willgroth, 962 McAllister,
San Francisco.

Architect—None.

Contractor—Wm. Kleeman, 188 Page,
San Francisco.

COST, \$3000

(1431) NO. 340 STOCKTON. Alter
hotel.

Owner—C. H. Crocker, Wiltshire
Hotel, San Francisco.

Architect—A. Merrill Bowser, Hearsi
Bldg., San Francisco.

Contractor—Samuel Schell, 180 Jes-
sie, San Francisco.

COST, \$900

(1432) NO. 7 EDDY. Alter barber
shop.

Owner—Douglas Realty Co.

Architect—Earle B. Bertz, 68 Post,
San Francisco.

Contractor—E. Edlgingson, 110 Jessie,
San Francisco.

COST, \$900

(1433) N MARKET bet. Powell and
Mason. Erect stage for painters.

Owner—Alhambra Theatre Co., Prem
Architect—None.

Contractor—Charles Andrews, 1825
Ellis, San Francisco.

COST, \$500

(1434) N Bush 106-3 W Fillmore N
127-6xW 25. All work except
plumbing for two-story reinforced
concrete factory building.

Owner—A. E. Drucker, 2679 Califor-
nia St., San Francisco.

Architect—Maxwell G. Bugbee, 619
Washington, San Francisco.

Contractor—William Martin, 180 Jes-
sie, San Francisco.

Filed July 18, '19. Dated July 18, 19.
On 1st and 15th of each month 75%
Usual 35 days, 25%.....\$3178

TOTAL COST, \$12,712

Bond, \$6400. Sureties, Edw. Peterson
and Fred Walfert. Limit, 50 days.
Forfeit, \$10. Plans and specifications
filed.

(1435) W ALABAMA 290 S 25th S
25xW 100. All work for alterations
and additions to building.

Owner—Frank E. and Emma Kummer
1342 Alabama, San Francisco.

Architect—None.

Contractor—Ed. Zinkand & Son, 434
10th Ave., San Francisco.

Filed July 18, '19. Dated July 18, '19.
Roof on\$750

Completed and accepted.....\$750

Usual 35 days.....\$750

TOTAL COST, \$3000

Bond, \$1500. Sureties, Karl J. Gunther
and Lawrence Buckley. Limit, 45
days. Forfeit, none. Plans and specifi-
cations filed.

NOTE:—1st report July 12th, No. 1342

(1436) W TWENTY-EIGHTH AVE
35 N Anza. Two-story frame resi-
dence.

Owner—Thos. Hamill, 4101 Balboa
San Francisco.

Architect—None.

Day's work.....COST, \$4000

(1437) NO. 319 IRWIN. Alter factory
for grinding Barium ores.

Lessee—Bear Barytes Co.

Trustee—B. C. Van Emon, 235 1st,
San Francisco.

Day's work.....COST, \$2000

(1438) NO. 40 FIFTH. Erect mar-
quise with electric sign.

Owner—Wilson's Dancing Academy,
Premises.

Architect—None.

Contractor—Novelty Elec. Sign Co.,
165 Eddy, San Francisco.

COST, \$1000

(1439) NO. 164 STEWART. Alter
office and assembly hall.

Owner—Marine Eng. Ass'n., Premises.

Architect—None.

Contractor—W. H. Upham, 478 35th
Ave., San Francisco.

COST, \$935

(1440) NO. 905 DIVISADERO. Put
garage in basement.

Owner—L. Markwitz, Premises.

Architect—None.

Day's work.....COST, \$400

COMPLETION NOTICES.

San Francisco County.

RECORDED ACCEPTED

July 12, 1919—W POTRERO AVE
150 N Mariposa N 50x100. M J
and W F Strohmaier to Paul
Messner.....July 8, 1919

July 14, 1919—NW CLAREMONT
Blvd 20 SW from SW line Lot 10
Bk 2979 Claremont Court NW
100.74 NE 40 SE 102.042 SW 40 m
or I Lot 11 and Ptn Lot 10 Bk
2979 Claremont Court. John J
Binet Co and Alfred Friedman to
whom it may concern.....July 1, 1919

July 14, 1919—NW CLAREMONT
Blvd and SW line Lot 8 Bk 2979,
Claremont Court NW 102.46 NE
40 m or I SE 100.881 SW 40 m or
I Lot 8 and Ptn Lot 9 Bk 2979,
Claremont Court. John J Binet
Co and Alfred Friedman to whom
it may concern.....Jan. 30, 1919

July 14, 1919—NW CLAREMONT
Blvd 10 NE from SW line Lot 9
Bk 2979 Claremont Ct NW 100.881
m or I NE 40 SE 100.740 SW 40
m or I Ptn Lot 9 and 10 Bk 2979
Claremont Court. John J Binet
and Alfred Friedman to whom it
may concern.....July 14, 1919

July 14, 1919—FERRY BLDG.
Ferry Ticket Office. Southern
Pacific Railroad to Standard Con-
struction Co.....July 10, 1919

July 15, 1919—E DIVISADERO — S
Waller, No. 176 Divisadero.
Louis Muller to whom it may
concern.....July 14, 1919

July 16, 1919—S EDDY 137-6 E Ma-
son E 68-9 S 144.55 SW 85 N 194.
1 1/4 m or I. City Investment Co to
Grace & Bernieri.....July 7, 1919

July 17, 1919—NW ANZA AND 19th
Ave N 25xW 82-6. J P Sparr to
whom it may concern.....July 10, 1919

July 17, 1919—W THIRTY-EIGHTH
Ave 100 S Irving S 25xW 120. M
J Regan to Thomas Hamill.....
.....July 17, 1919

July 18, 1919—S GEARY 92-6 W
Powell W 45xS 137-6. A T W
Corder, Inc. to The Golden Gate
Iron Works.....July 10, 1919

July 16, 1919—S PACIFIC 92-6 W
Grant Ave W 182-6 S 137-6 E 182-6
N 137-6 m or I. Tomaso Marlini,
Michael J Capelli, Louis S Ratto,
Victor J Canepa and G B Antonini
to Mission Concrete Co. Mar 15, 1919

LIENS FILED.

San Francisco County.

July 16, 1919—NO. 2202 CALIFOR-
nia. Veyhle & Collins vs J B and
H B Detrick\$1437.14

July 17, 1919—NW OCTAVIA AND
Olive Ave N 30xW 110. W H
Meyers vs Lillie B Dobbs and
Robert White Co.....\$60

BUILDING CONTRACTS

Alameda County.

The following is an index for the
contracts for this issue:

No.	Owner	Contractor	Amt.
1458	Lockett	Lockett	6500
1459	Waters	Barnett	3500
1457	Vinson	Morris	11000
1460	Goranson	Goranson	2850
1461	Smith	Smith	700
1462	Maslie	Maslie	400
1463	Brown	Woodard	3000
1464	Macdonald	Southard	2800
1465	Bright	Peppin	2500
1466	Nelson	Glantz	2500
1467	Bell	Bell	2000
1468	Iraquis	Bay City	1000
1469	Blesse	Blesse	1000
1470	McNalles	Lucay	735
1471	Station	Corbett	475
1472	Zeller	Zeller	450
1473	Reid	Moore	400
1474	Andreocetti	Owner	400
1475	Cabral	Owner	400
1476	Andersen	Andersen	260
1477	Christie	Fredricksen	3500
1478	Magnovox	Nelson	11000
1479	Stineman	Schwalm	10640
1480	Schaefer	Mathies	10000
1481	Seminary	Seminary	5200
1482	Stone	Stone	4800
1483	City of Okd.	Dowd	495
1484	Koplan	Rose	450
1485	Rittman	Rittman	450
1486	Bettencourt	Santos	400
1487	Board Education	Owner	5000
1488	Kern	Kern	4800
1489	Wheeler	Livingston	3000
1490	Moberg	Owner	500
1491	MacGregor	Owner	19950
1492	Same	Same	2775
1493	Realty	Forstholt	18000
1494	Haler	Owner	10000
1495	Central Nat'l	Kulchar	5000
1496	City of Oakland	Faulkes	2400
1497	Same	Same	3600
1498	Spicer	Carson	1500
1499	Dahl	Dahl	1000
1500	Luits	Hanner	400
1501	Landregan	Owner	1500
1502	Wallace	Mallock	400
1503	Bank of S. L.	Scott	4516
1504	Same	Knowles	36850
1505	Same	Bradbury	1100
1506	Same	Bender	568
1507	Bonnemazou	Schnebley	10463
1508	Hazlett	Engler	13650
1509	Ramoge	Kulchar	4000
1510	Gier	Koenig	5800
1511	Houch	Houch	4000
1512	Owen	Francis	3850
1513	Meny	Meny	3000
1514	Gundy	Burks	3000
1515	Pidretti	Higgins	2300
1516	Silva	Santos	800

1517 CarsonChampion 400
 1518 JensenNielsen 4600
 1519 MarquisOwner 2000
 1520 SmithVezey 500
 1521 EdwardsAnderson 500

(1457) N FORTIETH 255 — Tele-
 graph Ave., Oakland. Two-story 18
 room apartments.
 Owner—R. B. Vinson, Syndicate Bldg.,
 Oakland.

Architect—None.
 Contractor—Solomon Morris, 326 24th,
 Oakland.

COST, \$11,000

(1458) W HADDEN ROAD 450 N Ex-
 cel-sior Ave., Oakland. Two-story
 12-room apartments.
 Owner—W. O. Lockett, 375 Perkins,
 Oakland.

Architect—None.
 Day's work. COST, \$6500

(1459) NO. 686 LERIDA AVE., Oak-
 land. One-story 5-room dwelling.
 Owner—Mrs. F. Waters, Premises.
 Architect—None.
 Contractor—H. M. Barnett, 859 Aileen
 Oakland. COST, \$3500

(1460) E RHODA AVE 140 S Hopkins,
 Oakland. One-story 5-room dwlg.
 Owner—H. Goranson, 3485 Peralta
 Ave., Oakland.
 Architect—None.
 Day's work. COST, \$2850

(1461) NO. 71 ECHO AVE., Oakland.
 Addition.
 Owner—Wesley Smith, Premises.
 Architect—None.
 Day's work. COST, \$700

(1462) S THIRTY-THIRD 300 W
 Lowell, Oakland. One-story 3-room
 dwelling.
 Owner—Alice Massie, 995 53rd, Okd.
 Architect—None.
 Day's work. COST, \$400

(1463) S FORTY-FOURTH 210 W
 Webster, Oakland. One-story five-
 room dwelling.
 Owner—Nellie E. Brown, 441 44th,
 Oakland.
 Architect—None.
 Contractor—L. L. Woodard, 2415 73rd
 Ave., Oakland.

COST, \$3000

(1464) S REDDING 100 W Maybelle,
 Oakland. One-story 5-room dwlg.
 Owner—Geo. Macdonald, 288 38th
 Ave., Oakland.
 Architect—None.
 Contractor—M. Southard, Nicol and
 Peralta Ave., Oakland.

COST, \$2800

(1465) S MONTANA 235 W Curran
 Ave., Oakland. One-story 5-room
 dwelling.
 Owner—J. A. Bright, Bacon Bldg.,
 Oakland.
 Architect—None.
 Contractor—J. B. Peppin, San Le-
 andro. COST, \$2500

(1466) E FOURTEENTH AVE 100 N
 Hopkins, Oakland. One-story five-
 room dwelling.
 Owner—Chris Nelson, 2429 E-22nd,
 Oakland.
 Architect—None.
 Contractor—A. A. Glantz, 1900 E-27th,
 Oakland. COST, \$2500

(1467) W SEMINARY AVE 230 S E-
 14th, Oakland. One-story 5-room
 dwelling.
 Owner—W. B. Bell, 1257 46th, Oak-
 land.

Architect—None.
 Day's work. COST, \$2000

(1468) NOS. 461-463 ELEVENTH,
 Oakland. Alterations.
 Owner—Iroquois Restaurant, Premises
 Architect—None.
 Contractor—Bay City Cabinet Co.,
 1080 51st, Oakland.

COST, \$1000

(1469) NE MOUNTAIN VIEW AND
 Leona, Oakland. One and one-half-
 story 4-room dwelling.
 Owner—C. H. Blesse, Premises.
 Architect—L. F. Hyde, 2745 26th Ave.,
 Oakland.
 Day's work. COST, \$1000

(1470) NO. 5806 DOVER, Oakland.
 Addition.
 Owner—Mrs. Margaret McNalles, 534
 25th, Oakland.
 Contractor—C. D. Lucay, 541 55th
 Oakland. COST, \$735

(1471) NO. 1313 FRANKLIN, Oak-
 land. Alterations.
 Owner—Station Restaurant, Premises.
 Architect—None.
 Contractor—Corbett & Bayless, 1110
 Franklin, Oakland. COST, \$475

(1472) SW EXCELSIOR AND ALMA
 Oakland. Garage.
 Owner—W. S. Zeller, 270 21st, Okd.
 Architect—None.
 Day's work. COST, \$450

(1473) NW THIRTY-SEVENTH &
 Webster, Oakland. Alterations.
 Owner—J. Reidt, Premises.
 Architect—None.
 Contractor—C. F. Moore, 446 38th,
 Oakland. COST, \$400

(1474) NO. 1421 CAMPBELL, Oak-
 land. Barn.
 Owner—P. Andrenocetti, 1463 13th,
 Oakland.
 Architect—None.
 Day's work. COST, \$400

(1475) NO. 1527 FOURTEENTH AV
 Oakland. Garage.
 Owner—A. Cabral, Premises.
 Architect—None.
 Contractor—L. Santos, 1212 E-17th,
 Oakland. COST, \$400

(1476) GILMAN near Evelyn Ave.,
 Berkeley. One-story 5-room dwlg.
 Owner—Hans C. Andersen, 1403 Santa
 Fe Ave., Berkeley.
 Architect—None.
 Day's work. COST, \$2600

(1477) N ROSE TERRACE 100 E
 Arch. Berkeley. Two-story 6-room
 dwelling.
 Owner—W. A. Christie, 2029 Berkeley
 Way, Berkeley.
 Architect—None.
 Contractor—Eriksen & Fredricksen,
 1910 Hearst Ave., Berkeley. COST, \$3500

(1478) S E-FOURTEENTH opp. 27th
 Ave., Oakland. Two-story 4-room
 concrete store house.

Owner—Magnovox Co., 616 Mission,
 San Francisco.
 Architect—None.
 Contractor—Nelson & Forsyth, Union
 Bank of Savings Bldg., Oakland.
 COST, \$11,000

(1479) NW WALLA VISTA AND
 Arimo Aves., Oakland. Two-story
 9-room dwelling.
 Owner—Nettie M. Stineman, 600 Van
 Buren Ave., Oakland.
 Architect—Julia Morgan, Merchants'
 Exchange Bldg., San Francisco.
 Contractor—Harry Schwalm, 721
 Main St., Hayward.

COST, \$10,640

(1480) S ROSAL 185 E Santa Ray
 Ave., Oakland. Two-story 10-room
 dwelling.
 Owner—E. E. Schaefer, 721 27th Ave.,
 San Francisco.
 Architect—Sidney B. Newsom, 14
 Montgomery, San Francisco.
 Contractor—H. C. Mathies, 180 Jessie,
 San Francisco. COST, \$10,000

(1481) W SIXTY-FIRST AVE 200 &
 320 S Braun, Oakland. Two one-
 story 5-room dwelling.
 Owner—Seminary Land Co., 105 Mont-
 gomery, San Francisco.
 Architect—E. S. Lenne, San Francisco
 Day's work. COST, \$2600 each

(1482) N PIPPIN 50 and 100 W Pear
 Oakland. Two one-story 5-room
 dwellings.
 Owner—E. B. & A. Stone Co., Rialto
 Bldg., San Francisco.
 Architect—None.
 Day's work. COST, \$2400 each

(1483) EIGHTEENTH AND CAMP-
 bell, Oakland. Addition.
 Owner—City of Oakland.
 Architect—None.
 Contractor—Dowd & Ketchum.
 COST, \$495

(1484) NO. 1052 FOURTEENTH,
 Oakland. One-story store.
 Owner—H. Koplan, Premises.
 Architect—None.
 Contractor—A. H. Rose & Co., 525
 17th, Oakland. COST, \$450

(1485) NO. 621 FIFTY-FIRST, Oak-
 land. Repairs.
 Owner—Henry Rittman, Premises.
 Architect—None.
 Day's work. COST, \$450

GARAGE
 (1486) E PARK BLVD 190 N San
 Luis, Oakland. Garage.
 Owner—M. F. Bettencourt, 3624 16th,
 San Francisco.
 Architect—None.
 Contractor—L. Santos, 2212 E17th,
 Oakland. COST, \$400

(1487) MILVIA & VIRGINIA, Ber-
 keley. Repairs to school.
 Owner—Board of Education, 2133 All-
 ston Way, Berkeley.
 Architect—None.
 Day's work. COST, \$5000

(1488) COR. MENDOCINO AVE AND
 Indian Rock Path, Berkeley. Two-
 story 8-room dwelling.
 Owner—Herbert F. Kern, 2064 Los

Angeles Ave., Berkeley.

Architect—None.

Day's work. COST, \$4800

(1489) NO. 2425 LE CONTE AVE., Berkeley. Alter dwelling.
Owner—Benj. Ide Wheeler, Berkeley.
Architect—None.
Contractor—Wm. Livingston, 2918 Ellis, Berkeley.
COST, \$3000

(1490) EIGHTH 250 from Delaware, Berkeley. One-story 2-room dwlg.
Owner—Axel Moberg, 925 Delaware, Berkeley.
Architect—None.
Day's work. COST, \$500

(1491) E MARSHALL 36, 72, 108, 144 180, 216 and 252 N 59th, Oakland. Seven one-story 5-room dwellings.
Owner—C. M. MacGregor, 470 13th, Oakland.
Architect—None.
Day's work. COST, \$2850 each

(1492) NE FIFTY-NINTH & MARSHALL, Oakland. One-story 5-room dwelling.
Owner—C. M. MacGregor, 470 13th, Oakland.
Architect—None.
Day's work. COST, \$2775

(1493) S FIFTEENTH 150 E Broadway, Oakland. One-story brick restaurant.
Owner—Realty Syndicate Co., Syndicate Bldg., Oakland.
Architect—Hamilton Murdock, Syndicate Bldg., Oakland.
Contractor—H. M. Forsthalm, 6457 Colby, Oakland.
COST, \$18,000

(1494) S LAKE PARK AVE 127 E Lakeshore Ave., Oakland. Two-story 18-room apartments.
Owner—H. W. Haler, 559 16th, Okd.
Architect—None.
Day's work. COST, \$10,000

(1495) NE FOURTEENTH & BROADWAY, Oakland. Alter five-story bank and office building.
Owner—Central National Bank.
Architect—None.

Contractor—S. Kulchar & Co., 8th Ave and E-10th, Oakland.
COST, \$5000

(1496) SIXTY-SECOND AND SAN PABLO AVE., Oakland. Two one-story 5-room schools.
Owner—City of Oakland.
Architect—None.
Contractor—John R. Faulkes, 9828 E-14th, Oakland.
COST, \$1200 each

(1497) SIXTIETH AND SHATTUCK AVE. Three one-story 1-rm schools.
Owner—City of Oakland.
Architect—None.
Contractor—John R. Faulkes, 9828 E-14th, Oakland.
COST, \$1200 each

(1498) N SEVENTH 100 E Union, Oakland. One-story store.
Owner—Burton Spicer, 1308 7th, Okd.
Architect—None.
Contractor—John Carson, 22 Yosemite
COST, \$1500

(1499) NO. 1324 FIFTIETH AVE., Oakland. Addition.
Owner—H. Dahl, Premises.

Architect—None.

Day's work. COST, \$1000

(1500) NO. 1309 NINETY-FIFTH AV Oakland. Alterations.
Owner—Mrs. Luits, 1307 95th Ave., Oakland.
Architect—None.
Contractor—W. J. Hanner, 1307 89th Ave., Oakland.
COST, \$400

(1501) E CURTIS 280 N University Ave., Berkeley. One-story 5-room dwelling.
Owner—D. A. Landrean, 1111 San Pablo Ave., Albany.
Architect—None.
Day's work. COST, \$1500

(1502) NO. 1428 UNION, Alameda. Garage.
Owner—J. S. Wallace, Cr. Contractor
Architect—None.
Contractor—J. S. Mallock, 110 Jessie, San Francisco.
COST, \$400

(1503) NW NINETY-SIXTH AVE & E-14th, Oakland. Plumbing and gas fitting for two-story brick and concrete bank.
Owner—Bank of San Leandro.
Architect—W. H. Weeks, 75 Post, San Francisco.
Contractor—Scott Co., 243 Minna St., San Francisco.
Filed July 16, '19. Dated July 14, '19.
As work progresses..... 75%
Usual 35 days..... 25%
TOTAL COST, \$4516
Bond, \$2258. Surety, New Amsterdam Casualty Co. Limit, 175 days. Forfeit, \$25. Plans and specifications filed

(1504) EXCAVATION, FOUNDATION and concrete work, reinforcing steel, mill work, lumber, steel, glass and glazing, sheet metal work, etc., on above.
Contractor—A. Knowles, Call Bldg., San Francisco.
Filed July 16, '19. Dated July 14, '19.
Twice a month..... 85%
Usual 35 days..... 15%
TOTAL COST, \$36,850
Bond, \$18,425. Surety, American Indemnity Co. Limit, 200 days. Forfeit, \$25. Plans and specifications filed.

(1505) PAINTING ON ABOVE.
Contractor—Frank Bradbury, 3604 E-10th St., Oakland.
Filed July 16, '19. Dated July 15, '19.
As work progresses..... 75%
Usual 35 days..... 25%
TOTAL COST, \$1100
Bond, none. Limit, 175 days. Forfeit, \$10. Plans and specifications filed.

(1506) ROOFING ON ABOVE.
Contractor—J. W. Bender Roofing & Paving Co., Monadnock Bldg., S.F.
Filed July 16, '19. Dated July 15, '19.
As work progresses..... 75%
Usual 35 days..... 25%
TOTAL COST, \$568
Bond, none. Limit, 125 days. Forfeit, none. Plans and specifications filed.

(1507) S CENTRAL AVE 110 E Park E 39-6XS 180, Alameda. All work for one-story brick garage.
Owner—Clement Bonnemazou, Ala.
Architect—None.
Contractor—H. W. Schnebly and J. T. Hostrawser, 6th and Jackson Sts., Oakland.
Filed July 16, '19. Dated July 15, '19.

Brick walls to height of trusses 3/4
zRoof completed 3/4
Completed 3/4
Usual 35 days..... 3/4
TOTAL COST, \$10,463
Bond, none. Limit, 45 days. Forfeit, plans and specifications, none.

(1508) SW BENVENUE AVE AND Stuart, Berkeley. All work for two story frame apartments.
Owner—Margaret Jane Hazlett, Bkly.
Architect—None.
Contractor—Louis Engler, 2435 College Ave., Berkeley.
Filed July 16, '19. Dated July 15, '19.
Flame up (as given)..... \$3400
Interior plastered 3400
Usual 35 days..... 3450
TOTAL COST, \$13,650
Bond, none. Limit, 100 days. Forfeit, none. Plans and specifications filed.

(1509) NO. 13 1 WASHINGTON, Oakland. Alter store.
Owner—Arthur Ramage Co., Prem.
Architect—None.
Contractor—S. Kulchar & Co., 8th Ave. and E-10th, Oakland.
COST, \$5000

(1510) W MICHELL 245 and 276 N E-14th, Oakland. Two one-story 3 room dwellings.
Owner—Theo. Gier, 270 Grand Ave., Oakland.
Architect—None.
Contractor—Fred G. Koenig, 445 Oakland Ave., Oakland.
COST, \$2400 each

(1511) E EVAN AVE 45 S Everett, Oakland. One-story 7-room dwlg.
Owner—H. L. Houch, 4555 Park Blvd., Oakland.
Architect—None.
Day's work. COST, \$4000

(1512) N BROOKDALE AVE 275 and 296 E Kingsland Oakland. Two 1-story 4-room dwelling.
Owner—Mrs. M. Owen, 577 40th Ave., Oakland.
Architect—None.
Contractor—E. O. Francis Co., 4315 E-12th, Oakland.
COST, \$1925 each

(1513) W ROSEDALE AVE 120 N Mera, Oakland. One and one-half-story 6-room dwelling.
Owner—August Meny, 2734 Greenwich, San Francisco.
Architect—None.
Day's work. COST, \$3000

(1514) S SAN SEBASTIAN AVE 100 E Elsinore, Oakland. One-story 5-room dwelling.
Owner—J. Van Gundy, Oakland.
Architect—None.
Contractor—C. E. Burks, 4152 Randolph Ave., Oakland.
COST, \$3000

(1515) E JONES AVE 125 S "D." Oakland. Alterations to dwelling.
Owner—P. B. Pidretti.
Architect—None.
Contractor—Bellefontaine & Higgins, 6712 Flora, Oakland.
COST, \$2300

(1516) E KENNEDY 300 N Dennison, Oakland. Alterations.
Owner—A. Silva, 1070 Kennedy, Okd.
Architect—None.
Contractor—L. Santos, 2212 E-17th, Oakland.
COST, \$800

(1517) NO. 531 BRUSH, Oakland.
Repairs.
Owner—Capt. Carson, Premises.
Architect—None.
Contractor—Champion Bros., 5222
Dover, Oakland.

COST, \$400

(1518) E FORTY-FIRST AVE 320 N
Foothill Blvd., Oakland. One-story
5-room dwelling.

Owner—Jas. P. Jensen, 5615 E-16th,
Oakland.

Architect—None.

Contractor—J. C. Nielsen, 849 Athens
Ave., Oakland.

COST, \$4600

(1519) E FORTY-FIRST AVE 125 S
San Carlos Walk, Oakland. Alterations.
One-story 5-room dwelling.

Owner—E. M. Marquis, 2827 Russell,
Berkeley.

Architect—None.

Day's work. COST, \$2000

(1520) NW SIXTEENTH AND SAN
Pablo Ave., Oakland. Alterations.

Owner—A. Smith, Premises.

Architect—None.

Contractor—C. D. Vezey, Plaza Bldg.,
Oakland.

COST, \$500

(1521) NO. 1222 BROADWAY, Oak-
land. Alterations.

Owner—J. S. Edwards, Premises.

Architect—None.

Contractor—John Anderson, 874 34th,
Oakland.

COST, \$500

COMPLETION NOTICES.

Alameda County.

Recorded Accepted
July 11, 1919—NO. 3408 FOUR-
teenth Ave being E 14th Ave 30
S Hopkins, Okd. Perry Baird to
William B Bell.....July 10, 1919
July 15, 1919—W LAKESHORE AV
245 E Lake Park Ave, Okd. L B
Hoge to Fred J Westlund.....
.....July 12, 1919

BUILDING CONTRACTS.

Santa Clara County.

COTTAGE, ETC.
SW FOURTEENTH & SAN CARLOS

Sts., San Jose. All work for one-
story frame cottage and garage.

Owner—Louise S. Plummer, Los
Gatos, Cal.

Architect—Charles S. McKenzie,
San Jose.

Contractor—J. E. Perkins, San Jose.

Filed July 14, '19. Dated July 9, '19.

Concrete foundation complete

and frame work story high. \$1668.75

Buildings enclosed, roofed and

ready for plastering. 1668.75

1st coat plastering on inside

of building. 1668.75

House & garage completed 1668.75

Usual 35 days. 2225.00

TOTAL COST, \$8900.00

Bond, \$4500. Sureties, A. L. Hubbard

and James H. Pierce. Limit, 100

working days. Forfeit, none. Plans

and specifications filed.

BUILDING CONTRACTS.

San Mateo County.

W SANTA BARBARA about 150 S

Knowles Ave., Lot 41 Blk 3, Vista
Grand Tract, Daly City. Grading,
cement work, carpenter work,
plumbing, painting, electrical work,
etc., for two-story frame residence.
Owner—Louis Heinn, 328 Santa Bar-
bara St., Daly City.

Architect—Henry C. Smith, 785 Mar-
ket St., San Francisco.

Contractor—H. H. Smith, Daly City.

Filed July 15, '19. Dated July 14, '19.

Frame up. \$1046

Brown coated. 1046

Completed. 1046

Usual 35 days. 1051

TOTAL COST, \$4189

Bond, \$4189. Sureties, Chas. M. Sharp

and Isaac Whaley. Limit, 90 working

days. Forfeit, none. Plans and spec-
ifications filed.

EMERALD LAKE, Redwood City. All

work for frame garage and sleep-
ing rooms.

Owner—Mrs. C. Cosner.

Architect—None.

Contractor—B. G. Zimmau.

Filed July 16, '19. Dated July 16, '19.

Completed. \$1985

TOTAL COST, \$1985

Bond, limit, forfeit, none. Plans and

specifications filed.

RESIDENCE

LOT 14 BLK 21 East Sub. No. 2, Bur-
lingame. All work for one-story

frame residence.

Owner—J. W. Lowe.

Architect—Chas. E. J. Rogers, Phelan

Bldg., San Francisco.

Contractor—W. O. Nicolardes, San

Mateo, Cal.

Filed July 15, '19. Dated June 30, '19.

Frame completed. \$760

Finish plaster completed. 760

Roofing completed. 760

Usual 35 days. 760

TOTAL COST, \$3040

Bond, none. Limit, 60 working days.

Forfeit, not to exceed \$10 per day.

Plans and specifications filed.

BUILDING CONTRACTS.

Sacramento County.

ALTERATIONS

NO. 1326-28 P ST., Sacramento. Alter

building.

Owner—Mrs. L. T. Black, Sacramento

Architect—None.

Contractor—C. Vanini, 2202 M St.,

Sacramento.

COST, \$1600

COMPLETION NOTICES.

San Mateo County.

Recorded Accepted

July 7, 1919—LOT "G" BLK 2,

Burlingame Terrace. D Houle to

D Houle.....July 17, 1919

BUILDING CONTRACTS.

Fresno County.

N 1/2 LOTS 13-16 BLK 14. Fresno

Home Builders Palm Villa Tract.

Fresno. All work for frame dwell-
ing and garage.

Owner—Fresno Home Builders, 923

Santa Fe St., Fresno.

Architect—None.

Contractor—F. A. Stone, 304 Mason

Bldg., Fresno.

Filed July 10, '19. Dated, —.

Roof on. 1/4

Plastered. 1/4

Completed. 1/4

Usual 35 days. 1/4

TOTAL COST, \$4400

Bond, \$2200. Sureties, G. A. Adams

and J. A. Venard. Limit, 60 days

forfeit, none. Plans and specifications

filed.

LOTS 39, 40, 41, AND 42 Park Place,

Fresno. Two dwellings and garages

Owner—K. C. Buwalda, 3411 Ventura

St., Fresno.

Architect—None.

Day's work. COST, \$2850 and \$3950

LOADING SHED

SANTA FE RESERVATION, Fresno.

Loading shed.

Owner—E. Y. Foley, 608 Rowell Bldg.

Fresno.

Architect—None.

Day's work. COST, \$1200

LOT 4 BLK 25 Alta Vista Tract,

Fresno. Dwelling and garage.

Owner—J. R. Benedict, Fresno.

Architect—None.

Contractor—C. V. Smith, 1005 J St.,

Fresno.

COST, \$3850

LOT 32 BLK 1, Bloomington Park

Tract, Fresno. Frame dwelling.

Owner—M. C. R. Nelson, 1245 I St.,

Fresno.

Architect—None.

Day's work. COST, \$8700

COMPLETION NOTICES.

Fresno County.

July 8, 1919—W 1/2 LOT 32, LOT 33,

E 1/2 of Lot 34, North Park Ter-
race, Fresno. J M Buswell et

ux to whom it may concern.....

.....June 1, 1919

July 10, 1919—LOTS 33 TO 36 BLK

66, East Fresno. J R Ward to

whom it may concern.....June 30, 1919

July 10, 1919—SEC 33, 19-15, Oil

Well No. 72, Fresno. Southern

Pacific Co to whom it may concern.....

.....July 9, 1919

July 11, 1919—LOT 13 BLK 4, Wash-
ington Heights, Fresno. H M Dart

to whom it may concern.....July 10, '19

July 12, 1919—LOTS 27 TO 30 BLK

142, Fresno. Western Meat Co to

whom it may concern.....June 10, 1919

COMPLETION NOTICES.

San Joaquin County.

Recorded Accepted

July 7, 1919—LOT 5 BLK "H" Mc-
Cloud Addition, Stockton. J A

Nesbitt to H J Le Blanc.....July 7, 1919

July 10, 1919—E 1/2 LOT 2 in Sub 4,

Stockton Acres. Clara E Keidel

to T E Williamson.....July 10, 1919

LIENS FILED.

San Joaquin County.

Recorded Amount

July 5, 1919—LOT 9 BLK 15, Tuxedo

Park, Stockton. H E Hendrix vs

Jane Doe Coover.....\$56.70

BRIDGE REPAIR PLANS ORDERED

YUBA CITY, Sutter Co., Cal.—County Surveyor Edward Von Geldern has been instructed by the Board of Supervisors to draw up plans and specifications for repairing the approach to the Feather River bridge.

PAVING CONTRACT AWARDED.

OXNARD, Ventura Co., Cal.—Fairchild-Gilmore-Wilton Co., Pacific Electric Bldg., Los Angeles, submitted the lowest bid and was awarded the contract at about \$250,000 for the improvement of various city streets, involving approximately 8500 lin. ft. of paving with 4-in. concrete base and 1½-in. asphalt concrete surface 60 ft. wide; 9000 lin. ft. paving with 4-in. bituminous base with 1½-in. asphalt concrete surface 50 ft. wide; cement curbs and gutter on both sides of streets and 7 corrugated iron and concrete culverts. Bids were also submitted by the Federal Construction Co. of San Francisco; Bryant & Austin, Inc., of Los Angeles, and Hugh Crummy of San Francisco. S. G. Bennett, City Engineer; E. M. Lynch, Central Bldg., Los Angeles, Consulting Engineer.

STREET WORK PLANNED.

SAN RAFAEL, Marin Co., Cal.—The City Council is contemplating the improvement of Tamalpais avenue. The Street Committee has been instructed to confer with the property owners with a view of having the work done by private contract.

STREET WORK PLANNED.

MERCED, Merced Co., Cal.—The City Board of Trustees have passed resolutions of intention providing for the following work:

That the alley in block 106 be graded, curbed with concrete curbs, paved with a hydraulic cement concrete base.

That the alley in Block "A" be graded, curbed with concrete curbs, paved with a hydraulic cement concrete base, and that drains with manholes of concrete and cast iron be constructed therein. J. D. Wood is City Clerk.

ROAD AND BRIDGE CONTRACTS AWARDED.

YREKA, Siskiyou Co., Cal.—At the last meeting of the County Supervisors two bids were received for building Bear Creek road, as follows: Rufus Brann, \$4390 and L. W. Cousins, \$4800. Awarded to Brann.

E. K. Loosley submitted the only bid for building the Selad bridge at \$6145, and he was awarded the contract.

ELECTROLIER SYSTEM BIDS WANTED.

FRESNO, Fresno Co., Cal.—The City Council will receive bids up to July 21st, 5 P. M., for the following work:

That an electrolier system with reinforced concrete electroliers be installed and established on Van Ness avenue from Tuolumne street to Divisadero street, and on North Van Ness avenue from Divisadero street to University avenue.

Chas. Dillon is City Clerk.

PREPARING PLANS FOR BRIDGE.

PASADENA, Los Angeles Co., Cal.—Assistant City Engineer E. P. Dewey is preparing plans for a reinforced concrete bridge across the Arroyo Seco in the southern part of the city, making a direct route to San Rafael Heights. The bridge will cost about \$60,000.

HIGHWAY BONDS.

PHOENIX, Ariz.—The \$4,000,000 good roads bond issue of Maricopa County voted to build 278 miles of paved highway, were sold to Graves, Blanchett & Thornburgh of Toledo, Ohio, at a premium of \$320,500. The highway commission is now fully organized and surveys are under way.

STREET WORK PLANNED.

MODESTO, Stanislaus Co., Cal.—At the last meeting of the City Council plans and specifications and a resolution of intention were adopted for the paving of Downey avenue from H street to a point 249 feet east of McHenry avenue.

STREET WORK BIDS WANTED.

OAKLAND, Cal.—The City Council, L. W. Cummings, City Clerk, will receive bids up to July 31st, 12 M., for the following work:

That 87th avenue, from Birch street to Auseon's Moss Tract, be graded, curbed with redwood, guttered with concrete gutters, and paved with oil-macadam; also

That two wooden culverts be constructed; corrugated and concrete culverts be constructed.

(26962) 1st report Mar. 26; 3rd June

ROAD ESTIMATE SUBMITTED.

REDWOOD CITY, San Mateo Co., Cal.—County Surveyor George A. Kneass at the last meeting of the Supervisors submitted a report to the Board on the cost of repairing a portion of the new road from San Gregorio to Tunitas. Kneass stated that about one-half of the stretch was in very bad condition and must be rebuilt and estimated the cost, including the construction of numerous drains along the road at \$3900.

BRIDGE BIDS WANTED.

NAPA, Napa Co., Cal.—The County Board of Supervisors, James A. Daly, County Clerk, will receive bids up to August 13th, 10 A. M., for the construction of four reinforced concrete bridges located as follows: One at Walnut Creek, one at Nigger Creek and one at Steels Canyon Creek, all in Road District Number 4, and one near the Fly District school house in Road District Number 1.

BRIDGE PLANS ORDERED.

SAN JOSE, Santa Clara Co., Cal.—The County Supervisors, Henry A. Pfister, Clerk, have instructed the County Engineer to prepare plans and specifications for bridge on Alum Rock avenue near Mount Hamilton road.

HARBOR BOARD WANTS PAVING BIDS.

SAN FRANCISCO.—Bids will be received by the Board of Harbor Commissioners, Frank G. White, Chief Engineer, Ferry Bldg., up to July 31st, 11 A. M., for paving portions of The Embarcadero along Sections 2 and 3 of the Seawall.

The work consists in furnishing materials and labor for constructing 49,550 sq. ft. of 2½-inch Bituminous Concrete Pavement on Standard Concrete Base; 3540 sq. ft. of 2½-inch Bituminous Concrete Pavement on Special Concrete Base, and 1440 sq. ft. Basalt Block Pavement on Standard Concrete Base.

STREET WORK BIDS WANTED.

SACRAMENTO, Cal.—Bids will be received by the City Commissioners, M. J. Desmond, City Clerk, up to 11 A. M., July 24th, for the following work:

Improving the alley between "J" and "K" Streets, from the east line of 39th street to a point 359 feet E therefrom, by constructing a vitrified iron-stone pipe sewer with wye branches attached; concrete manhole complete; and placing 1 6-inch vitrified iron-stone flusher branch, and improving the alley first east of Thirty-ninth Street, from the N line of "K" St. to a manhole to be constructed 176 feet N of the N line of "K" Street, the same as above.

COUNTY ROAD WORK PLANNED.

FRESNO, Fresno Co., Cal.—Owing to the present road to Shaver Lake being 100 feet under water when the new Southern California Edison Co. dam is built, the Fresno County Supervisors has instructed County Engineer Chris. Jensen to lay out a new road.

PLAN IRRIGATION IMPROVEMENTS.

MODESTO, Stanislaus Co., Cal.—The Waterford Irrigation District has sold \$205,000 bonds to Schwabacher Co., of San Francisco to net \$196,000. Of this amount \$26,000 will be spent for extensions and improvements to the irrigating system, and the balance to purchase water priorities on the Tuolumne River.

CONTRACTS AWARDED FOR SAN FRANCISCO STREET IMPROVEMENTS.

The improvement of Banks street between Cortland and Tompkins avenues by grading; concrete curbs; a 14-foot central strip of vitrified brick pavement; an asphalt pavement; artificial stone sidewalks and brick catchbasins. Awarded to Raisch Improvement Co., 46 Kearny street.

The improvement of Pierce street between Hayes and Fell streets, by the construction of granite curbs, artificial stone sidewalks; an 8-inch vitrified, salt-glazed ironstone pipe sewer with 11 Y branches and 3 brick manholes; a 14-foot central strip of vitrified brick pavement, and an asphalt pavement. Awarded to Fay Improvement Co., Phelan Bldg.

The improvement of Caledonia Alley from Fifteenth street to its northerly termination by the construction of an 8-inch vitrified, salt-glazed, ironstone pipe sewer with 13 Y branches and 2 brick manholes; construction of 3 brick catchbasins; granite curbs; artificial stone sidewalks, and an asphalt pavement. Awarded to Plinn & Treacy, 1st National Bank Bldg.

The improvement of easterly one-half of Thirty-seventh avenue between Irving and Judah streets by the construction of artificial stone sidewalks; concrete curbs and an asphalt pavement. Awarded to Peter McHugh, 3908 Clay street.

COUNTY HIGHWAY SURVEY BEING MADE.

MARYSVILLE, Yuba Co., Cal.—County Surveyor L. Crook is completing a survey of the proposed highway through District Ten. Complete plans and specifications for the proposed work will be presented to the Supervisors for adoption in the near future.

HIGHWAY BIDS WANTED.

PHOENIX, Ariz.—Until 2 p. m., July 26, bids will be received by State Engineer Thomas Maddock for constructing 2 miles of the Prescott-Jerome highway beginning at the city

limits of Jerome, involving approximately 58,200 cubic yards excavation, 2500 cubic yards dry rubble masonry, retaining walls, draining structures, etc. Plans and specifications may be obtained from the State Engineer on deposit of \$5.

LOW BIDDERS FOR PAVING.

LOS ANGELES, Cal.—Peter L. Ferry, 614 Acacia street, Glendale, submitted the lowest bid at about \$156,931 for grading and paving with concrete the highway from Lomita to Wilmington and San Pedro in Municipal Improvement District No. 7. Tryon & Brain submitted the next lowest bid at about \$159,930. Bonds to the amount of \$160,000 have been voted for the work.

ROAD BONDS.

YUBA CITY, Sutter Co., Cal.—A proposed bond election was discussed here by the Board of Supervisors of Sutter County whereby perhaps 100 miles of concrete highway trunk roads are to be built in the county, as is a considerable mileage of lateral roads to branch off through various districts.

STREET WORK PLANNED.

FRESNO, Fresno Co., Cal.—The City Council, Chas. Dillon, City Clerk, has passed resolutions of intention providing for the following work:

That the north side of Cambridge Avenue between Maroa and Wishon Avenues be curbed with cement concrete; sidewalked with artificial stone sidewalks.

That Ventura Avenue from R St. to Santa Fe Avenue be graded; construct cement concrete curb and gutter; corrugated iron culverts, and pavement consisting of a cement concrete base 4 inches thick and a bitulithic wearing surface 1½-in thick.

That Thomas Avenue from Blackstone to San Pablo Avenues be graded cement concrete curbs; artificial stone sidewalk and oiled between curb lines.

That Merced Street from G Street to Kearney Avenue be graded; construct cement concrete curb and gutter; corrugated iron return culverts; connect with storm sewer through street inlet, and paved with pavement consisting of cement concrete base and bitulithic wearing surface.

That Tudare Avenue from First to Sixth Streets be graded; construct cement concrete curb and gutter; corrugated iron cross and return cul-

verts, with manholes; paved with cement base and a bitulithic wearing surface.

That E Street from Fresno to Merced Streets be graded; curbed with concrete curb and gutter, and paved with a pavement consisting of cement concrete base and a bitulithic wearing surface.

CABLE BIDS WANTED.

OAKLAND, Cal.—Bids will be received by the City Council up to 12 M., July 21st, for removing the existing and furnishing and installing new hoisting elevator cable in Passenger Elevator No. 1 in City Hall.

Specifications may be had from L. W. Cummings, City Clerk.

STREET WORK PLANNED.

NAPA, Napa Co., Cal.—City Engineer Harrold has been instructed by the Council to prepare a resolution of intention for the improvement of Willow and Raymond avenues and Bell street.

SEWER WORK PLANNED.

GRASS VALLEY, Nevada Co., Cal.—Bids will be called by the City Board of Trustees within the next few weeks for the construction of a sewer in North Auburn street.

TO BUILD PIPE LINE.

GRASS VALLEY, Nevada Co., Cal.—The City Trustees have adopted plans and specifications for building the auxiliary pipe line to the city reservoir on Alta Hill.

The work is estimated to cost \$10,000 and bids will probably be called at the next meeting.

CONCRETE STORM SEWER BIDS WANTED.

FORTUNA, Humboldt Co., Cal.—Bids will be received by the Town Trustees, Geo. R. Lane, Town Clerk, up to August 4th, 6 P. M., for constructing a concrete storm sewer on lower "C" street.

TWO BIDS RECEIVED FOR CONSTRUCTION OF EAST LEVEE, SUTTER BY-PASS.

SACRAMENTO, Cal.—Two bids for the construction of the east levee of the Sutter by-pass were received by the State Reclamation Board on July 15th. The bidders were: Fred Franks Construction Co., American National Bank Bldg., San Francisco, and Shattuck-Edinger Co., 525 Market

The bids are being tabulated by the Reclamation Department engineers, and exact figures are not as yet available. The board will consider the bids at their next meeting on July 22nd.

BRIDGE BIDS WANTED.

NAPA, Napa Co., Cal.—Bids will be received by the County Supervisors up to August 5th, 10 A. M., for the construction of a concrete bridge near the Fly District School House. James A. Daly is County Clerk.

Oakland Wants Bids For Street and Sewer Improvements.

OAKLAND, Cal.—Bids will be received by the City Council, L. W. Cummings, City Clerk, up to 12 M., July 24th, for the following work:

That Pleasant street from Champion street to Boston avenue be graded, curbed with redwood, guttered with concrete gutters and paved with oil-macadam; vitrified pipe sewers; brick manholes, "Y" branches, etc., be constructed.

Thea Short street from Penniman avenue to Allendale avenue be graded, curbed with redwood, guttered with concrete gutters, and paved with oil-macadam.

That the SE half of Eighth avenue in the vicinity of E-10th street be graded, curbed with redwood, guttered with concrete gutters, 3 feet wide, and paved with oil-macadam; also that catchbasin; a vitrified pipe conduit, etc., be constructed.

That Fruitvale avenue be graded, curbed with redwood, guttered with concrete gutters, and paved with oil-macadam; cement sidewalk, corrugated iron and concrete culverts, concrete end walls, cast iron inlets, brick storm water inlets, brick manholes, vitrified pipe conduits, etc., be constructed.

LOW BIDDERS FOR SCHOOL ADDITION.

MESA, Arizona.—Edwards & Wilkey Co., 515 Black Bldg., Los Angeles, submitted the lowest bid at \$77,500 on the general contract for the erection of a brick addition to the high school building at Mesa, Arizona. Norman F. Marsh, 211 Broadway Central Bldg., Los Angeles, is the architect. The low bidders on the other contracts were: L. T. Dale on the plumbing at \$5825; J. J. McNeil on the painting at \$3375, and Doyle on the heating at \$4500.

SCHOOL ADDITION CONTRACT AWARDED.

TOMALES, Sonoma Co., Cal.—The Trustees of the Tomales School District have awarded a contract to T. A. MacDougall of Sacramento for the construction of a Manual Training Building addition to the High School. The bid was \$2,035.50.

Hospital Painting Bids Wanted.
STOCKTON, San Joaquin Co., Cal.—Bids will be received up to August 5th, 10 A. M., by County Clerk Eugene D. Graham, for painting the different wards and buildings of the San Joaquin County Hospital.

SCHOOL BONDS.

SACRAMENTO, Cal.—The Chamber of Commerce has started a campaign urging a \$3,000,000 school bond issue.

STREET WORK BIDS WANTED.

SALINAS, Monterey Co., Cal.—Bids will be received by the City Council up to August 4th, 8 P. M., for the following work:

Breaking up and regrading the surface on the present roadway of Gabilan street in Salinas City, from Main street to Monterey street, and making thereon an asphaltic oil macadam surface. M. R. Keef is City Clerk.

ROAD BIDS REJECTED. NEW BIDS WANTED.

NAPA, Napa Co., Cal.—At the last meeting of the County Supervisors bids for the construction and repair of roadway in District No. 4 were received as follows:

Harry Thorsen, \$2,885, including cement.

Simon Lenz, \$1,998, including cement.

Frank Gaggero, \$1,582, Napa County to furnish cement.

The bids were rejected and new bids ordered. James A. Daly is County Clerk.

Street Work Contract Awarded.

SALINAS, Monterey Co., Cal.—At the last meeting of the City Council bids for the improvement of the cemetery road, Auburn street, Casidy street, the narrow part of Market street, Abbott street and Archer street were received as follows:

Cemetery road—Granite Rock Co., \$6,778.74; W. A. Dontanville, \$7,103.06. Awarded to Granite Rock Co. Salinas Market street (narrow part)—Granite Rock Co., \$10,183; W. A. Dontanville, \$10,506. Awarded to Granite Rock Co.

Abbott street—Granite Rock Co., \$2,070; W. A. Dontanville, \$2,130. Awarded to Granite Rock Co.

Auburn street—Granite Rock Co., \$1,515.80; W. A. Dontanville, \$1,443. Awarded to W. A. Dontanville, Salinas Cassidy street—Granite Rock Co., \$1,515.70; W. A. Dontanville, \$1,443. Awarded to W. A. Dontanville.

Archer street—Granite Rock Co., \$1,229.51; W. A. Dontanville, \$2,170.69. Awarded to W. A. Dontanville.

CEMENT BIDS WANTED.

NAPA, Napa Co., Cal.—Bids are being received by the County Supervisors for furnishing and delivering 5,000 barrels of Portland cement. Further information may be had from James A. Daly, County Clerk.

STREET WORK BIDS OPENED.

RICHMOND, Contra Costa Co., Cal.—At the last meeting of the City Council J. E. Staniger submitted the low bid for the opening of Eighth street over the Santa Fe railroad. His bid called for \$5,133.09. Other bidders were: L. L. Page, \$5,491.80; Galbraith & Jones, \$6,634.95; S. C. Rogers, \$5,477.59. The awarding of the contract was held over until errors in the estimates are corrected.

HOSE BIDS WANTED.

MERCED, Merced Co., Cal.—Bids will be received up to July 21st, 8 P. M., by City Clerk, J. D. Wood for five hundred feet of fire hose and 300 feet of 1½-inch hose. Bidders must submit samples.

BIDS WANTED FOR SAN FRANCISCO STREET IMPROVEMENT.

BIDS CLOSE JULY 23, 1919, BET 2 AND 3 P. M.

The improvement of Brunswick St. between Lowell and Whittier streets by grading; construction of concrete curbs; artificial stone sidewalks; 3 brick catchbasins, and an asphaltic concrete pavement.

For further particulars address the Board of Public Works, City Hall.

OUTFALL SEWER BIDS REJECTED

HOLTVILLE, Imperial Co., Cal.—All bids received for construction of the proposed outfall sewer were rejected as too high and the plans will be revised and new bids will be taken.

SEWER CONTRACT AWARDED.

STOCKTON, San Joaquin Co., Cal.—The City Council, G. W. Pulich, City Clerk, has awarded a contract to E. A. Burns, Stockton, on his bid of \$16,305.52, for the following work:

That a system of lateral sewers with house branches, etc., be constructed in Fair Oaks avenue, East Lafayette street, East Sonora street, East Church street, East Mormon street, East Scott street, East Taylor street, East Worth street, McDonnell avenue, Sharon avenue and Burkett avenue in portion of "Searchlight" addition.

STREET WORK PLANNED.

OAKLAND, Cal.—The City Council has passed a resolution of intention providing for the following work:

That Bromley avenue from 62nd avenue to Seminary avenue be graded, curbed with redwood, guttered with concrete gutters, and paved with oil-macadam.

COUNTY HIGHWAY BONDS.

STOCKTON, San Joaquin Co., Cal.—The Supervisors are planning a bond issue of \$400,000 with which to finance construction of county highways. County Engineer Quail states there is not sufficient funds in the county treasury to pay for the work now planned by the County Board.

PROPOSALS WANTED FOR FURNISHING UNDERGROUND CABLE.

Sealed Proposals for furnishing underground cable for fire alarm system required by the Department of Electricity will be received by the Board of Supervisors of the City and County of San Francisco, and opened in public session of said Board on Monday, August 4, 1919, at 3 o'clock P. M.

Proposal blanks containing specifications and conditions furnished on application. J. S. DUNNIGAN, Clerk.

Room 235, City Hall.

BIDS WANTED FOR PUMPING ENGINES FOR FIRE DEPARTMENT.

Office of the Board of Fire Commissioners, San Francisco, Cal., July 15, 1919.

Sealed proposals will be received on Wednesday, August 13, 1919, between the hours of 8:00 and 8:30 p. m., for furnishing, testing and delivering one or more gasoline Motor-Driven Pumping Engines, for use in the San Francisco Fire Department, in strict accordance with the specifications and conditions prepared by the Board of Fire Commissioners, on file, and copies of which may be obtained at the office of said Board, City Hall, San Francisco, Cal.

BOARD OF FIRE COMMISSIONERS,
FRANK T. KENNEDY,
Secretary.

ELECTROLIER SYSTEM PLANNED.

MODESTO, Stanislaus Co., Cal.—City Electrician W. I. Carpenter has recommended to the Council that \$2,000 be allowed in the budget with which to finance construction of the electrolier system in the residence district.

BONDS FOR WATER DISTRIBUTING SYSTEM.

LOS ANGELES, Cal.—The City Council has called an election in the Westgate District for August 13 to vote on issuing \$700,000 bonds for

constructing a water distributing trunk line.

PLAYGROUND EQUIPMENT BIDS WANTED.

MODESTO, Stanislaus Co., Cal.—Bids will be received by the City Council, W. O. Thompson, City Clerk, up to 7:30 P. M., August 13th, for the following playground equipment:

One outfit described as Outfit No. E-900 in page 35 of the Everwear Catalogue or its equal.

Two outfits described as Outfit No. E-125 on page 34 of the Everwear Catalogue or their equal.

One Steel Slide described as No. B-307 on page 4 of the Everwear Catalogue or its equal.

One Giant Stride described as No. B-1 on page 14 of the Everwear Catalogue or its equal.

One Horizontal Ladder described as No. B-305 on page 32 of the Everwear Catalogue or its equal.

One Combination described as Combination No. IP-10 on page 30 of the Everwear Catalogue being 12 feet high, and including Ladder, Sliding Poles and frame, or its equal.

The above outfits are to be complete in every particular and installed, properly, in the Parks of the City of Modesto, California, under the supervision and to the satisfaction of the Park Commission. The location is to be determined by the Park Commission of said City.

SCHOOL BONDS.

YREKA, Siskiyou Co., Cal.—Bids will be received by the County Supervisors up to July 26th, 10 A. M., for the purchase of the \$15,000 bond issue of the Summit School District. (28238) 1st report June 23, 1919.

OAKLAND SCHOOL BOARD WANTS FURNITURE BIDS.

OAKLAND, Cal.—Bids will be received by Dan W. Pratt, Secretary of the Oakland High School District, Room 1101, City Hall, Oakland, up to 4:30 P. M., July 28th for furnishing and delivering school furniture.

NAVAL ARCHITECTURE TO BE SCHOOL COURSE.

WASHINGTON, D. C.—Schools of naval architecture and ship construction may soon become important branches of educational institutions of the United States if this nation continues its headway in maritime strength. Fourteen universities and technical colleges have signified their interest in a line of instruction that was decadent almost to the point of

extinction when the needs of war presented a demand for ships that could not be denied, and some of them have already established courses in naval architecture, marine engineering and ship construction, while others are planning similar action.

PLAN LOCK MAKING PLANT FOR FRESNO.

FRESNO, Cal.—C. F. Buckland of the Flower Manufacturing Company states that a large plant will be erected in Fresno for the manufacture of the Motor-meter lock, an invention of W. A. Flower of Fresno. A telegram received recently from Flower, who is in New York, states that he has let the sales agency in 32 states east of the Mississippi. The initial order of the agency will amount to \$64,000. The Motor-meter locks will be manufactured in the East until the Fresno plant is erected.

SACRAMENTO ENGINEER BACK FROM FRANCE.

SACRAMENTO, Cal.—W. B. Gibson, formerly superintendent of the Kenyon & Whitman Construction Company, has returned to Sacramento, after having served more than 16 months with the American expeditionary forces, during which time he saw active service in the St. Mihiel salient and was commissioned a captain.

Gibson, who had been employed here for many years prior to his enlistment, was well known throughout the Sacramento valley. He received his preliminary education in Woodland, where his home now is. While in France Gibson was attached to the 38th engineers.

Los Angeles Architect Moves to Modesto.

MODESTO, Cal.—George W. Harding, Los Angeles Architect, who designed the municipal pier at Redondo Beach, is now associated with Albert J. Mazurette, architectural engineer. Harding is supervising architectural work on the new Maria Hewel garage building now under course of construction at Tenth and G Streets.

PLANS FOR GRADE LOWERING ORDERED.

SACRAMENTO, Cal.—The City Commissioners have instructed City Engineer Frank C. Miller to prepare plans and specifications for the lowering of the grade on Twenty-first street at the approach to the Y street levee. Miller estimated the cost at \$3000.

ROAD AND TRESTLE BIDS OPENED

SEATTLE, Wash.—The following bids were received by the King County Commissioners for the construction of the Bellevue-Newport road, $3\frac{1}{2}$ miles in length and including the construction of a 2500-foot road trestle:

Hansen & Hauge.....	\$76,800
J. W. Hoover & Co.....	89,047
Hans Pedersen.....	89,250
Robt. A. Sloane.....	96,000

All bids were taken under advisement.

BIDS REJECTED FOR TULARE SCHOOLS.

TULARE, Tulare Co., Cal.—The two bids received by the School Board for the construction of two school buildings, from plans prepared by Architect J. R. Henderson of Tulare, Cal., have been rejected and new bids have been ordered received up to July 31st.

The bids were: A. M. Rumley, a Tulare man, offering to erect one building for \$36,138, or two for \$72,276. The other bid came from Berkeley & Gould of Fresno. It was \$34,410 for one building, or \$68,820 for the two.

Plans are on file at the office of the Daily Pacific Builder, 560 Mission St., San Francisco.

SELECT MANAGER FOR IMPROVEMENTS AT CATALINA ISLAND.

AVALON, Los Angeles Co., Cal.—D. M. Renton, of Pasadena has been appointed general operating manager of the Santa Catalina Island Co., and will have charge of all construction operations for the company on the island under the direction of David Blankenhorn, president, and Wm. Wrigley, Jr., chairman of the board.

LUMBER BIDS WANTED.

STOCKTON, San Joaquin Co., Cal.—Bids will be received up to July 31st, 4 P. M., by Ansel S. Williams, Secretary of the Board of Education, Washington School Building, Stockton, for general athletic supplies and lumber for the Stockton Schools. A \$20 certified check will cover bid.

COUNTY HIGHWAY BIDS WANTED.

MARTINEZ, Contra Costa Co., Cal. Bids will be received by the County Supervisors, J. H. Wells, County Clerk, up to August 4th, 11 A. M., for furnishing materials and labor and placing an one and one-half inch asphaltic wearing surface on the concrete road and building oiled macadam shoulders on Division No. 4 of the County Highway System which

extends from the west line of the City of Antioch to the east line of the City of Pittsburg, a distance of 3.7 miles.

SEWER BIDS WANTED.

REDWOOD CITY, San Mateo Co., Cal.—Bids will be received by the Board of Trustees, W. A. Price, County Clerk, up to July 30th for the following work:

Constructing complete an outfall sewer system with pumping plant, beginning at center line of Main street at southerly property line of Bradford street and extending along Steinberger street paralleling old outfall sewer now in place, to Steinberger slough.

MARE ISLAND STRUCTURAL SHOP BIDS TO BE CALLED SHORTLY.

Plans and specifications are now about ready at the bureau of yards and docks, Navy Department, for the completion of the structural shop at Mare Island, the estimate cost of which is \$448,000. While the call for bids has not yet been issued copies of the plans may be had on deposit of \$10. The work is provided for under Specification No. 3719.

SCHOOL CONTRACT AWARDED.

COVINA, Los Angeles Co., Cal.—Wopschall Bros., 100 E. Colorado St., Pasadena, were awarded the general contract at \$106,243 for the erection of a new grammar school building at Covina in accordance with plans and specifications prepared by Architect John C. Austin, 1125 Baker-Detwiler Bldg.

The plumbing contract was awarded to J. Hokom at \$6547; roofing to C. L. Passmore at \$5250; and electric wiring to Winder & Jones, Covina, at \$4216. The bids for painting, heating and program clock system were rejected and new bids will be taken.

PANAMA CANAL BIDS WANTED.

PANAMA CIRCULAR 1289—Office of the General Purchasing Offices, Panama Canal, Washington, D. C.—Sealed bids are wanted until August 4, 1919, under circular 1289 for steel, castings, brass, copper, copper screenings, wire rope, steel and copper wire, bolts, nuts, rivets, screws, washers, steel filing cabinets, iron or steel water buckets, hose clamps, cocks, files, grommets, jacks, shovels, hasps, hinge, latches, locks, lanterns, marine lights, oars, marine signals, snatch and tackle blocks, fire brick, roofing cement, rubber gaskets, ax, hammer and file handles, water coolers, brass knobs, dustpans, wooden chair seats, sextants, china and glassware, carving knives, safety matches, paper napkins, aluminum and tinned ware,

linens, towels, gasoline, bridge ties and lumber. For further information address the above office.

APPLICATION FOR COUNTY ENGINEER OFFICE FILED.

NAPA, Napa Co., Cal.—The Napa County Supervisors have received an application from E. H. Hatch of Oakland, for the position of County Engineer.

The application was considered at the last meeting of the Board, but no action was taken.

ROAD BIDS OPENED.

PORTLAND, Ore.—The following bids were received by C. H. Purcell, District Engineer for the Bureau of Roads of the Department of Agriculture:

McKeuzie Pass Road, Oregon.	
Pacific Bridge Co., Portland,	\$252,452.75.
A. Giebisch, Portland,	\$278,871.15.
Sims & Carlson, Spokane,	\$224,474.
McClellan Pass Road, Washington.	
Hans Pedersen, Sattle,	\$303,816.
Everett Constr. Co., Everett, Wash.,	\$423,760.

It is expected that recommendations will be made to Washington and if bids are satisfactory contracts let to low bidders.

IRRIGATION BONDS.

MANTECA, San Joaquin Co., Cal.—Bonds of \$500,000 have been voted for improvements in the South San Joaquin Irrigation District.

STREET WORK PLANNED.

REDDING, Shasta Co., Cal.—The City Council has decided to gutter, curb and pave Market Street from Trinity to Hill Streets.

Bids will be called for immediately.

PAVING CONTRACT AWARDED.

SAN DIEGO, Cal.—Fairchild-Gilmore-Wilton Co., Pacific Electric Bldg., Los Angeles, was awarded the contract at \$88,807 for grading and paving portions of India and other streets through Old Town to the San Diego river bridge. A 5-in. concrete base with $1\frac{1}{2}$ -in. bitulithic surface will be laid.

SEWER CONTRACT AWARDED.

REDWOOD CITY, San Mateo Co., Cal.—The City Trustees, W. A. Price, City Clerk, have awarded a contract to Dreyfus Bros., 525 Market street, San Francisco, for the construction of the new sewer in Maple street, they having submitted the lowest bid. (27895) 1st report June 6, 2nd June

TO CALL BRIDGE BIDS.

EUREKA, Humboldt Co., Cal.—On completion of plans by County Surveyor A. J. Logan bids for bridge work will be called by the County Clerk as follows:

A new 82 foot span in the bridge across the North Fork of Mad River at Korbrel.

For retimbering of the steel bridge across the Mattole river near Petrolia, and for a new bridge across Singley creek at the Ocean House.

BIDS WANTED FOR ROAD WORK.

SAN JOSE, Santa Clara Co., Cal.—The County Supervisors, Henry A. Pfister, County Clerk, will receive bids up to August 4th, 11 A. M., for the following road projects:

For the improvement of King road in Supervisor District No. 2.

For the resurfacing of Senter, Story, Tully, King and Aborn roads in Supervisor District No. 2.

For the improvement of Hoffman Road, in Supervisor District No. 4.

STREET WORK PLANNED.

SANTA CRUZ, Santa Cruz Co., Cal.—At the last meeting of the City Commissioners a resolution of intention to widen River street from Mission to Bulkhead street was presented. Action was laid over until a later meeting.

The City Engineer has been instructed to prepare plans and specifications for the improvement of Seabright avenue from Soquel avenue to East Cliff drive.

Contract For Bridge Approach Work Let.

WATSONVILLE, Santa Cruz Co., Cal.—The Board of Aldermen has awarded a contract to the Granite Rock Co., of Salinas, for paving the approach to the Main street bridge on their bid of 12½ cents per sq. ft. for macadam and 2½ cents for oiling.

LOW BIDDERS FOR SCHOOL.

COVINA, Los Angeles Co., Cal.—The Los Angeles Construction Co., 431 Douglas Bldg., Los Angeles, submitted the lowest bid at \$122,552 on the general work for the erection of a new grade school building for Covina Grammar School District, plans for which were prepared by Architect John C. Austin, 1125 Baker-Detweiler Bldg., Los Angeles. John Hokom, 4312 Moneta avenue, submitted the lowest bid at \$10,446 on the plumbing; the Pacific Gas Radiator Co., at \$3800 on the heating; Wormell & Drawbaugh, Pasadena, at \$8500 on the painting and tinting; Winder & Jones, Covina, at \$5424 on the electric wiring

and at \$2000 on the electric time clock C. L. Passmore submitted the only bid at \$6450 for the tile roofing. The bids were taken under advisement.

BIDS WANTED FOR ADDITION TO BRICK SCHOOL.

DELANO, Kern Co., Cal.—Until 2 P. M., July 26, bids will be received by F. E. Hare, Clerk of the Trustees of the Delano grammar school district at Delano, for erecting a two-room brick addition to the grammar school building, in accordance with plans and specifications by Architect J. M. Saffell of Bakersfield. Certified check for 10% required.

PAVING BIDS WANTED.

HOLTVILLE, Imperial Co., Cal.—Until August 13, bids will be received by the City Trustees for the first unit of city paving including Sixth street from the western boundary to the alley east of Holt avenue, Fifth street from Palm avenue to east city boundary and portions of Olive avenue, Palm avenue, Pine avenue, Holt avenue, Fern avenue, Walnut avenue and Maple avenue.

HARBOR BOARD AWARDS CONTRACT FOR PAVING AND FOLDING GATE.

SAN FRANCISCO.—The State Board of Harbor Commissioners have awarded the following contracts to the lowest bidders on informal bids received in the past week:

For furnishing materials and laying pavement near the foot of Jones street on the waterfront, to Flynn & Treacy.

For furnishing and erecting a folding iron gate in the Sea Flood Grotto to Michel & Pfeiffer Iron Works.

Street Work Contract Awarded.

SACRAMENTO, Cal.—The City Commissioners have awarded a contract to A. Teichert & Son, Ochser Bldg., Sacramento, for the following work:

Improving Sixteenth street from Q to X streets by grading and constructing a pavement consisting of a hydraulic concrete foundation and a bitulithic wearing surface. M. J. Desmond is City Clerk.

BIDS WANTED FOR PAINTING BRIDGES.

STOCKTON, San Joaquin Co., Cal.—Bids will be received by the San Joaquin County Supervisors, Eugene D. Graham, County Clerk, up to August 5th, 10 A. M., for painting twenty-nine steel highway bridges in the County of San Joaquin, in accordance with the specifications prepared by County Surveyor F. E. Quail

Bidders will state a lump sum price for each named structure, which price shall include the furnishing of all equipment necessary and labor and material to do the work complete, with the exception of the paint, which will be furnished to the contractor at Stockton, Calif.

Further information may be had from the County Clerk at Stockton.

SCHOOL BONDS.

MODESTO, Stanislaus Co., Cal.—The Modesto School Board has decided to call a bond election to raise funds of \$350,000 with which to finance school improvements.

City Attorney A. J. Carlson has been instructed to draw up the necessary papers. It is probable that the election will be held the latter part of August.

John J. Donovan, Perry Bldg., Oakland, is the architect.

OROVILLE, Butte Co., Cal.—The Supervisors will receive bids up to July 25th, for the purchase of the \$8,000 bond issue of the Rock Creek School District. A new school building will be erected from the proceeds of the sale.

BRIDGE BONDS.

STOCKTON, San Joaquin Co., Cal.—A bond issue to raise funds with which to finance construction of a bridge across Mormon Channel, at the foot of Washington street, will be called by the City Council in the near future.

Contract Awarded For Cotton Compress.

LOS ANGELES, Cal.—The Southwark Foundry & Machine Co., a subsidiary of the Baldwin Locomotive Works, was awarded the contract by the Harbor Commission for furnishing and installing a high density cotton compress on Municipal Pier No. 1 at Los Angeles harbor. The cost will be \$76,972.50. The equipment includes a 300 h. p. motor, a hydraulic pump and a compress of 2000 lbs. pressure.

BIDS WANTED FOR STATE HIGHWAY IMPROVEMENT.

SACRAMENTO, Cal.—Until 2 P. M., August 4, bids will be received by the California highway commission, 515 Forum Bldg., Sacramento, for grading 9.4 miles of state highway in Lake county between west boundary and Lakeport (I-Lak-16-A). Plans and specifications may be seen at the division office, and at San Francisco, but may only be obtained on application to the main office at Sacramento.

BRIDGE WORK PLANNED.

CHICO, Butte Co., Cal.—Members of the Chico Chamber of Commerce met here recently with B. B. Meek and George F. Jones of Oroville and discussed a plan for the construction of a bridge across the Feather River on the State Highway lateral. The bridge has been a bone of contention between Chico and Oroville.

A meeting of the Chamber will be held in the immediate future for a further discussion of the bridge. At that time the Oroville representatives will lay before the Chicoans a plan by which it is said to be possible for the bridge to be constructed at about half the cost originally proposed.

The highway lateral is completed, but the bridge being lacking, the lateral is not now being used as designed.

STREET WORK BIDS WANTED.

CARMEL-BY-THE-SEA, Monterey Co., Cal.—The City Trustees of Carmel-by-the-Sea invite bids for the grading and graveling of Eighth avenue between San Carlos street and the west end of Eighth avenue, and Camino Real between Ocean avenue and Santa Lucia avenue, and Monte Verde street between Ocean avenue and Santa Lucia avenue. Bids will be opened at 8 P. M., August 5.

Contract Awarded for Street Improvement.

FRESNO, Fresno Co., Cal.—Thompson Bros. were awarded contract for grading and paving Divisadero street between Glen avenue and Central Addition at 3.65c sq. ft. for grading, 22.35c sq. ft. for paving with 4-in. concrete base and 1½-in. bitulithic surface, 60c lin. ft. curb, 23.8c sq. ft. concrete gutters, \$6.20 ft. for 30x6, \$4.75 for 24x6, \$3.75 for 12x6 and \$4.50 for 18x6 corrugated iron culverts.

PLAN ROAD IMPROVEMENTS.

SANTA ANA, Orange Co., Cal.—The County Supervisors have authorized the formation of three road improvement districts as follows: No. 3, to pave Orangethorpe avenue, between Anaheim-Fullerton main road to Placentia road, 2 miles; No. 4, to pave roads between Orange and Santa Ana to connect with the Orange paving and Grand avenue paving of Santa Ana; No. 5, to pave parts of Tustin St., Collins avenue, Wanda road, Lincoln street and Center Drive at Villa Park.

SEWER WORK PLANNED.

MARTINEZ, Contra Costa Co., Cal.—The County Supervisors have granted permission to the Shell Oil Company to construct a sewer in Pacheco

Boulevard from City limits of town of Martinez to opposite MacKinnon street of Piedmont Tract, and from that point along MacKinnon street.

BIDS WANTED FOR CONCRETE WORK.

CALEXICO, Imperial Co., Cal.—Until 8 P. M., July 29, bids will be received by City Clerk Paul B. Stein-toff for 27,500 sq. ft. of 3-in. concrete floor, 1:3:6 mix, and 3800 ft. sidewalk reinforced with 6-in. No. 10 wire mesh extending 2 ft. into the floor, for city water basin.

TO PURCHASE MOTOR TRUCKS.

FRESNO, Cal.—The City Purchasing Agent is in the market for four 5-ton trucks for the Supervisor of road districts 1 to 5.

ROAD WORK BIDS WANTED.

SEATTLE, Wash.—Bids will be received by the King County Commissioners, Seattle, up to August 4th, 10 A. M., for the laying of 29,675 square yards of either one course concrete or brick pavement and estimated to cost about \$80,000, on the Sylvester Road and extension, 3.19 miles in length.

Same Humes is County Engineer.

BRIDGE BIDS WANTED.

EUREKA, Humboldt Co., Cal.—Bids will be received by the County Clerk of Humboldt County until August 11, 1919, for the construction of a concrete arch bridge with a 145 foot span to be erected over Little Van Dusen Creek near Dismores. A. J. Logan is County Surveyor and H. J. Brunner, Sharon Bldg., San Francisco, Engineer.

COMPLETING PLANS FOR HUMBOLDT COUNTY BRIDGE.

SAN FRANCISCO—Engineer H. J. Brunner, Sharon Bldg., San Francisco, is completing plans for a steel bridge with two spans of 195 feet each to be erected over the Mattole River in Humboldt County. A. J. Logan is County Surveyor. Bids will be called for in about ten days.

BRIDGE BIDS WANTED.

SANTA BARBARA, Cal.—Until 10 A. M., August 4, bids will be received by the County Supervisors, C. A. Hunt, Clerk, for constructing a reinforced concrete bridge over Alamo Pintado creek in the town of Ballard, Third road district. Plans and specifications may be obtained from County Surveyor on deposit of \$10. Certified check for 10% required. Contractor to furnish materials.

ROAD WORK PLANNED.

REDWOOD CITY, San Mateo Co., Cal.—At the last meeting of the County Supervisors County Engineer George A. Kneese presented plans and specifications for the reconstruction of the old road from San Gregorio to Tunitas, the work to include reggrading of the road, an oil macadam pavement and the construction of several new culverts. Supervisor Thompson moved that the plans and specifications be adopted and the clerk advertise for bids. There was no second to the motion and a discussion arose as to whether it would be better to reconstruct the old road or the new one built several years ago. It was finally decided to lay the matter over until County Surveyor Kneese could submit an estimate on the cost of repairing the new road.

Elizabeth M. Nash is County Clerk.

STREET WORK BIDS OPENED.

SAN RAFAEL, Marin Co., Cal.—The following bids were received by the City Council for improving Petaluma avenue and the Puerto Suello:

S. P. Brownlee, Ross and Marin Sts., San Rafael, \$6,121; Richmondite Co., Richmond, Cal., \$6,501.

For improving Third street: S. P. Brownlee, \$3,777.20; Richmondite Co., \$3,628.

For improving Palm and Olive avenues: S. P. Brownlee, \$2,723; Richmondite Co., \$2,620.

The bids were taken under advisement.

BIDS WANTED FOR GENERAL CONTRACTS FOR MERCED HIGH SCHOOL.

MERCED, Merced Co., Cal.—Architects Allison & Allison, 1405 Hibernian Bldg., Los Angeles, report that no bids were received by the Board of Trustees of the Merced Union High School District for contract No. 1, for excavating, concrete, masonry and terra cotta work, and contract No. 2, for carpentry work, for the erection of new high school buildings at Merced. This work has been re-advertised, bids to be received up to 2 P. M. of Thursday, July 31, 1919. Satisfactory bids were received on the other contracts and the low bidders have been asked to protect themselves on materials and be prepared to accept the contracts. If they cannot secure protection, it will be necessary to re-advertise all of the contracts.

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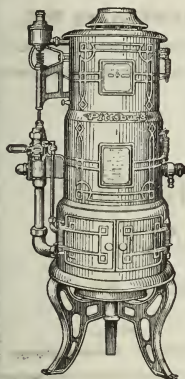
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Nineteenth Year, No. 31



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Building and Engineering News

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Among the Architects

Architect Eugene Mathewson, Cory Bldg., Fresno, has been commissioned to prepare plans for an administration building for the Madera County Hospital. It will be a two-story fire-proof structure of granite and concrete with a tile roof. There will also be two one-story wings to be used for wards. Estimated cost, \$100,000.

Architects Chester H. Miller and Carl I. Warnecke, Associated, New Call Bldg., San Francisco and Perry Bldg., Oakland, are preparing plans for a frame church for St. Augustus Mission. It will be erected on Grove street in Oakland and will cost in the neighborhood of \$10,000.

Architect Miss Julia Morgan, Merchants' Exchange Bldg., will be ready to take segregated figures for the construction of a three-story and basement brick and terra cotta school building for the Berkeley Baptist Divinity School. It will be erected on Dwight Way opposite Bowditch street in Berkeley.

Bids will be received until August 18, 1919, at 8 P. M., by the Easton School District, San Mateo County, for the construction of a one-story frame four-room school building. Plans were prepared by Architect E. L. Norberg, 420 Bankers' Investment Bldg., San Francisco, where plans and specifications may be obtained on a deposit of \$10.

Architect Henry C. Smith, Humboldt Bank Bldg., has completed

plans and figures are being received by the Yreka School District, Siskiyou County, for the construction of a one-story brick and concrete grammar school building. It will contain eight rooms and an auditorium and will cost approximately \$40,400. Bids close August 9, 1919, at 4 P. M.

Mr. Smith is also taking segregated figures for the construction of a three-story and basement frame apartment house building to be erected on the southwest corner of Laguna and Clay streets for Miss E. J. Booth. It will contain three high class apartments of eight room and four bathrooms each, and will cost approximately \$35,000.

Architects Arthur S. Heinemann & Co., Monadnock Bldg., has awarded a contract to Dan Wagner, 110 Jessie street, for alterations to the candy store of Blum's on the southwest corner of Polk and California streets. The S. Kulchar Co., 8th avenue and E-10th street, Oakland, have the contract for the fixtures.

Architect Arthur G. Scholz, Phelan Bldg., has completed plans and work is being done by days labor for altering a three-story frame flat building into seven two and three-room apartments. The building is located on the west side of Buena Vista avenue south of Haight street. Estimated cost, \$7,000.

Architect Arthur G. Scholz, Phelan Bldg., is preparing plans for a one-story seven-room frame residence to be erected at Palo Alto, Santa Clara County. Estimated cost, \$6,500.

Mr. Scholz is also completing plans for a three-story frame apartment house to contain thirteen two and three-room apartments. It will be erected on Guerrero street and will cost approximately \$28,000. Figures will be taken in about two weeks.

Architect H. M. Patterson, 324 O. T. Johnson Bldg., Los Angeles, is preparing plans for a brick church building for the Monrovia Presbyterian Church. It will be erected on the northeast corner of Myrtle avenue and White Oak street, Monrovia, Los Angeles County. Estimated cost, \$60,000.

Architect T. M. Edwards, Room 905 833 Market street, has awarded a con-

tract to S. A. Wisnom, 428 Wisnom St., San Mateo, for alterations to the residence of P. N. Lillenthal in Hillsborough, San Mateo County. Contract price approximately \$15,000.

Bids will be received until August 7th, 1919, at 10 o'clock A. M., by County Clerk P. E. Smith of Kern County, for the construction of a one-story hollow tile library building to be erected at Delano.

Architect August G. Headman, New Call Bldg., has awarded a contract to W. C. Duncan, Sharon Bldg., for the construction of a two-story and basement hollow tile and frame residence to be erected at Atherton, San Mateo County, for Cutler Bonestell. Estimated cost, \$25,000.

MacDonald & Kahn, Rialto Bldg., are completing plans for a four-story and basement reinforced concrete auto sales building to be erected on Van Ness avenue near Sacramento street. The Sibley Grading & Teaming Company have been awarded the contract for the excavation and grading. Plans will be ready for sub-figures in a few days.

Architects Woollett & Lamb, Physicians' Bldg., Sacramento, have been commissioned to prepare plans for a new high school building for Chico, Butte County.

Engineer H. J. Brunner, Sharon Bldg., is taking figures from a selected list of contractors for the construction of three brick and reinforced concrete creamery buildings to be erected at Los Banos, Merced County. The Los Banos Creamery Association is the owner and the plant has been leased to the California Central Creamery. Bids close July 26th.

Architect Edward T. Foulkes, Crocker Bldg., has awarded a contract to Trehitt & Shields, Rowell Bldg., Fresno, for the construction of a one-story brick garage building, 50 x150. It will be erected on South "J" street, Fresno, for Darbinian Bros., and has been leased to Chas. Foreman Sales Co., agents for the Biscoe Car, Contract price, \$12,500.

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A. A. E.

California Membership by Counties.

Alameda.....	32
Amador.....	1
Butte.....	3
Contra Costa.....	3
Del Norte.....	1
Fresno.....	15
Glenn.....	3
Humboldt.....	4
Kern.....	9
Lake.....	1
Los Angeles.....	31
Marin.....	1
Mariposa.....	1
Mendocino.....	1
Nevada.....	1
Plumas.....	1
Riverside.....	2
Sacramento.....	44
San Bernardino.....	5
San Francisco.....	87
San Diego.....	7
San Joaquin.....	1
San Luis Obispo.....	2
San Mateo.....	6
Santa Clara.....	3
Santa Cruz.....	1
Shasta.....	10
Solano.....	1
Stanislaus.....	1
Tehama.....	1
Tuolumne.....	1
Yolo.....	3
Total.....	290

NEWS ITEMS.

Los Angeles members have been granted a charter.

San Diego members have applied for a club charter.

Fresno members have applied for a chapter charter.

Dunsmuir members have applied for a chapter charter.

Bakersfield members have applied for a chapter charter.

Mr. F. J. Amweg, consulting engineer, 700 Marston Bldg., San Francisco, has been appointed Employment Representative of the S. F. Chapter. Anyone desiring the services of an engineer should make his needs known to Mr. Amweg, who will endeavor to put him in touch with some engineer adopted for his position.

ENGINEERS' SALARIES AND THE A. A. E.

In what way will the American Association of Engineers assist the individual Engineer? This is the question most frequently asked by prospective members when they are first approached upon the subject of membership in the A. A. E. One of the answers which immediately comes to the mind of the man who has already given the matter his consideration and who has become a member of the A. A. E. is that the Association provides a means of giving the economic needs of the Engineer expression. The A. A. E., being an organization of Engineers who practice their profession in all parts of the United States and who represent every phase of engineering activity, is recognized by public officials as being one of the sources from which information regarding the engineer and his relationship with the community can be obtained.

The President of the San Francisco Chapter of the A. A. E., Mr. J. H. Knowles, was interviewed last Monday, July 21st, by Mr. J. C. Whitman, who is the Chief Examiner of the State Civil Service Commission, with headquarters at Sacramento, and who came to Mr. Knowles to obtain information relative to salary increase for technical and railroad engineers requested by the Association, with particular reference as to the basis upon which these proposed increases were predicated.

Mr. Knowles furnished Mr. Whitman with a list of the salaries proposed by the National Association for the technical engineers in all the different lines of endeavor, and Mr. H. I. Benjamin, who is also an active member of the A. A. E., furnished Mr. Whitman with a copy of the wage scale proposed by the Railroad Section of the A. A. E. for the Southern Pacific Railroad.

Mr. Whitman stated that the information thus given him was of great interest to him and would be freely used in general investigation which he is now initiating, of the salaries now being paid engineers in California, the ultimate purpose of which will be the readjustment of the salaries of all technical engineers employed by the Civil Service Commission of the State of California.

The service performed by the representatives of the Association in Washington, in supplying similar information, supported by undisputable facts, to the Wage Board, in adjusting railroad technical engineers' salaries, is well known. The A. A. E. is doing good work for the engineer, not only in presenting necessary information

to National Government officials, but to State officials as well.

This is only one example of the usefulness of the Association. Its possibilities will become greater with the prestige which only time can give.

ATTENTION A. A. E. MEMBERS!

All members of the American Association of Engineers residing in northern California should be interested in the opportunities afforded by the "Building and Engineering News" in providing a channel for the interchange of ideas and the dissemination of news of common interest to all.

We, on the Pacific coast, are quite isolated from the activities interesting those members of the A. A. E. in the Middle West and in the East. For this reason it is desirable for us to make the most of our opportunities for advancement along independent lines.

The editors of the "Building and Engineering News" have generously allowed the A. A. E. two pages out of their paper of every issue to be devoted to Association affairs.

At the present time the responsibility for material to be published in each issue rests with the Publicity Committee of the San Francisco Chapter, and you are all urged to contribute something each week of general interest to engineers or of particular interest to the Association.

If you have some plan for broadening the field of usefulness of the A. A. E. you are invited to communicate it for publication. As soon as is determined whether or not this idea meets with the approval of all of the members, it is proposed that a Joint Publicity Committee be formed, consisting of representatives from all Chapters in Northern California, to cover the field more thoroughly, and to co-operate with the Chapters in Oregon and Washington and in Southern California, so that all of us on the Pacific Coast will be familiar with what is going on.

This opportunity is full of wonderful possibilities for advancing the cause of the A. A. E., but in order to insure the success of the plan the personal co-operation of each and every member will be necessary.

Writing for publication affords an opportunity for development of literary style in the individual which should not be overlooked.

If you have an idea and have not the time to develop it into a finished article, let us have it anyway. We will fix it up.

Address all letters and communications to "A. A. E. Publicity Committee, care Building and Engineering News, 560 Mission St., San Francisco, Calif."

A. A. E. ITEMS.

The Navy Technical Association voted at their annual convention in Washington, June 10, 1919, to affiliate with A. A. E. This will add to our membership about 700 technical engineers in the United States Navy and will give A. A. E. eleven local organizations along the eastern coast. Mr. R. C. Bailey, President N. T. A., has been employed by A. A. E. and will locate in Washington, D. C. Address, Washington Hotel.

The Board of Directors of the Southwestern Society of Engineers recently voted unanimously in favor of the Southwestern Society becoming the Southwestern Chapter of A. A. E. Plans for amalgamation of several local societies in different parts of the country have been submitted at the request of the local society officers. The attitude of engineers in the southwest, where the Secretary recently made an extended trip, is distinctly in favor of A. A. E. About half a dozen other state and local engineering societies have taken up with headquarters the subject of closer relations with A. A. E.

The railroad committee of A. A. E. has been assured that authority for adequate compensation has been given to the Regional Directors by the U. S. Railroad Administration. We will use the schedule of salaries adopted at the March 17 Conference as a "measuring stick" while working out irregularities with the Regional Directors. The schedule does not cover all positions in all of the different railroad departments, but our members can "read between the lines" to compare their salaries and see if they are in line with the schedule which has been endorsed by many authorities and leading societies. Our members know what "adequate compensation" is, and they should notify the Railroad Committee if their compensation is low.

Organization committee has been appointed by the Executive Board to prepare plans for Public Service Engineering Campaign: Namely, A. N. Johnson, Chairman, Portland Cement Association, Chicago; A. R. Hirst, State Highway Engineer of Wisconsin, Madison, Wis.; S. C. Hadden, Editor, Municipal and County Engineering, 538 S. Clark street, Chicago, and Dr. F. H. Newell, University of Illinois, Urbana, Ill. This program will promote the economic and non-technical interests of engineers with the government, states, counties and municipalities.

Remember, entrance fees will go "sky high" on January 1, 1920, according to provision of the constitution. Special fees and dues are offered military men provided they join while in service or within six months after honorable discharge. Time is limited to complete membership before the 1920 Engineers' Directory goes to press.

President Newell is going through the East and, according to present plans, he will be in Dayton, June 26-27, Pittsburgh, June 28, Washington—where he will spend a few days—July 7. Then possibly he will visit Baltimore, Philadelphia, New York City and Boston. Late in the summer the President will tour the Western

States, reaching California some time in August. He will try to visit as many A. A. E. Chapters, Clubs, members and local organizations as possible. President Newell has long been identified with A. A. E. principles and he can speak with authority on the "human" needs and welfare of the engineers. He welcomes the wives of members to meetings. Invite the ladies.

STRIKE LOOMS IN CITY ENGINEER'S OFFICE IN SAN FRANCISCO.

A strike that would call out 120 draftsmen, engineers and surveyors employed in the City Engineer's department will be considered at a meeting of the Draftsmen's Union to be held at the Labor Temple, according to an announcement by William Wilkinson, business agent.

Although the Board of Works has requested the Supervisors to provide \$3,800 additional for the July payroll to bring the wages of the affected employees to the union scale, ranging from \$175 a month for field assistants to \$250 for engineers, the money has not yet been provided. The Supervisors, have, however, gone on record favoring the payment of the scale.

The strike vote has already been taken, it was, and the next meeting will consider setting a date for the walkout.—S. F. Call.

A NEW PARTNER IN INDUSTRY.

"The real center of social authority," writes Glenn Frank in a preface to his recent book on "The Politics of Industry," "has so far shifted from politics to industry that the tone and temper of our national life are more nearly determined by the way the business and industry of the country are conducted than by the way the government is conducted, statesmanship or stupidity of business men is of more social significance than the statesmanship or stupidity of politicians."

This is a clear statement of a fact which is becoming apparent to most thoughtful people. The reason for it is that while the shape of our political life is pretty well fixed the shape of our economic life is rapidly changing. Men don't take the same attitude toward their jobs that they took a few years ago. The old idea was that a man hired out individually to an employer, and that if he didn't like his job he quit and hunted up another. The obligation and responsibility ceased on the one hand with the doing of a certain amount of work and on the other the payment of a certain amount of money. No favors passed and no love was lost. The workmen didn't care whether their employer remained solvent or not, and the employers didn't care whether their workmen could pay their bills or not.

But now the opinion has gained ground that an industry is not only a contract between the whole body of workmen and the whole body of owners, but that both sides ought to have something to say as to how it shall be conducted. The owners invest their savings, the workmen

their labor, and the receipt of wages (so runs the theory) carries a right in the control exactly as does the receipt of profits and interest.

This movement has run over Christendom exactly as did, a century ago, the movement for political democracy and the rights of man. In Russia it has gone to wild extremes and is called Bolshevism. In France, Italy and Spain it is syndicalism—almost the same thing. In England it is a lawful and orderly tendency, treated with respect by the Prime Minister, Parliament and press. In this country it has the backing of such men as Frank Vanderlip and Bernard Baruch and of such corporations (though this reads like a fairy story) as the Standard Oil Company. A kind of parliamentary system is being worked out, something like that which the English king and the old English middle class evolved generations ago. Democracy—or at least a republican form of government—is coming into industry. That is, it will come if the majority of business men can be made to see what a few already see.—S. F. Call.

THE ENGINEER AND THE PUBLIC.

An Opportunity Lost.

During these stirring times public interest in engineering work that has nothing to do with the war has very naturally lagged to a considerable extent. This is particularly true of the building of new subways in New York, for the construction is carried on under ground and progress in the work is not very apparent.

The recent opening of the so-called "H" system involving a shuttle line across 42nd street, connecting the east and west side subways, naturally aroused the interest of New York citizens, although the annoyance they experienced in getting acquainted with the new lines of travel was such as to make them overlook the splendid engineering work that had been accomplished. Much of this confusion would have been avoided had the subways been built out in the open where they could be seen, but the bewildered passengers got lost in underground galleries with which they were entirely unfamiliar, not even having a map to guide them. Had illustrations been prepared showing the new subway lines with the earth covering removed from them, and had these pictures been widely advertised, no doubt there would have been a more auspicious inauguration of the "H" system.

The above quotation from the "Scientific American" shows how the Engineering Department of the New York Subway lost an opportunity of impressing on the travelling public the important role the engineer plays in modern civilized city life.

G. M. N.

Unfair Discrimination in India.

"WANTED: 2,000 pairs tin bathing drawers, delivery at Chowpatty Sunday morning. Reply Box 533, Times of India."

Won't the alligators be annoyed!—London Opinion.

San Francisco Chapter, A. A. E.

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Chapter Meeting Night, First Thursday Every Month at 7:30 P. M.
Commercial Club, Merchants Exchange Bldg.

Committee Meeting Every Friday, 7:30 P. M. at Chapter Office.

San Francisco Chapter Office, 700 Marston Bldg.

A. G. Mott, Secretary

244 Kearny St., S. F.

ADVANCE NEWS

Official Proposals, Etc.

Plans Being Completed
RESIDENCE Cost, \$6,000
FRESNO, Fresno Co., Cal. Alta Vista Tract.

Hollow tile and stucco residence.
 Owner—Not Given.
 Architect—Swartz & Swartz, Rowell Bldg., Fresno.
 (28321) 1st report June 27, 1919.

Plans Being Figured. Bids Close Aug. 2nd, 1919.
GYMNASIUM Cost, \$15,000
MADERA, Madera Co., Cal.
 Gymnasium Building, 50x72.
 Owner—Madera Union High School District.

Architects—Swartz & Swartz, Rowell Bldg., Fresno.
 (26251) 1st report Feb. 17; 4th July 2, 1919. A to J Q to S X 198 199 201

Plans Being Prepared.
WAREHOUSE Cost, \$—
SAN FRANCISCO. NW Kearny and Francisco, 137-6x340.
 Four-story reinforced concrete warehouse building.
 Owner—Edward C. Voorhies.
 Engineer & Contractor—Cabill & Vensano Co., 110 Sutter St., San Francisco.

Ready for Figures End of This Week.
CHURCH Cost, \$50,000
SAN RAFAEL, Marin Co., Cal.
 Reinforced concrete church.
 Owner—St. Raphael Parish.
 Architects—Shea & Lofquist, Chronicle Bldg., San Francisco.
 (26490) 1st report Feb. 28, 1919.

Ready for Figures This Week.
STORE BLDG. Cost, \$40,000
SAN FRANCISCO. S Post Street, bet. Hyde and Larkin Streets.
 One-story reinforced concrete store building.

Owner—Jacob Gietzen.
 Architect—W. H. Crim, 425 Kearny St., San Francisco.

Plans Being Revised.
APARTMENTS. Cost, \$18,000
SAN FRANCISCO. Twelfth Avenue near Clement Street.
 Three-story frame apartment (6 4-room apartments).
 Owner—Mr. McCaw.
 Architect—D. J. Patterson, 46 Kearny St., San Francisco.

Plans Being Prepared.
FLATS, ETC. Cost, \$12,000
SAN FRANCISCO. Franklin St.
 Two-story and basement frame flats. (2 flats and basement garage).
 Owner—Withheld.

Architect—Albert J. Fabre, Cr. French Bk., 110 Sutter St., San Francisco.
SPECIFICATIONS

Exterior Finish, brick; Floors, hardwood; Heating, hot air; Interior Finish, hardwood; Roof, T. & G.; Wall Beds.

RESIDENCE Cost, \$—
SAN FRANCISCO. Claremont Court.
 Two-story frame and plaster residence (6 rooms).

Owner—Miss Florence Lemkey.
 Architect—Warren Perry, Newhall Bldg., San Francisco.

Plans Being Prepared.
ADDITION Cost, \$6,000
LINDSAY, Tulare Co., Cal.
 One-story 1-room addition to school.
 Owner—Lindsay School District.
 Architects—Swartz & Swartz, Rowell Bldg., Fresno.

Plans Being Prepared.
CALEXICO, Imperial Co., Cal. Second street.
STORES & OFFICES Cost, \$40,000
 One story and mezzanine floor, stores and offices.
 Owner—Pacific Land and Cattle Co.
 Architect—Ralph Swearingen, Cal-exico, Cal.

Working Drawings Being Prepared.
HOSPITAL BLDGS. Cost, \$—
WOODLAND, Yolo Co., Cal.
 Group of reinforced concrete hospital buildings.
 Owner—Yolo County.
 Architect—W. H. Weeks, 75 Post St., San Francisco.

Plans Nearing Completion.
ADDITION Cost, \$75,000
PORTLAND, Ore. Vancouver Avenue near Fremont Street.
 One-story addition, 90x65, and three-story addition, 16x52, for bakery.
 Owner—Log Cabin Bakery. H. F. Rittman, President, Portland.
 Architects—Clausen & Clausen, Macleay Bldg., Portland.

The contract for constructing the ovens has been awarded to the Baker Machinery Co., of New York City.

Plans Complete. To Call Bids Shortly
COLLEGE BLDGS. Cost, \$100,000
RENO, Nevada.
 Two-story College of Education Buildings, 58x160.
 Owner—University of Nevada.
 Architect—F. J. De Longchamps, Reno, Nevada.

Completing Plans|
GARAGE Cost, \$13,000
KERMAN, Fresno Co., Cal.
 One-story fireproof garage.
 Owner—E. F. Huggins
 Architects—Swartz & Swartz, Rowell Bldg., Fresno.

Plans Prepared.
AUTO SALES BLDG. Cost, —
LOS ANGELES. Northeast 16th and Figueroa streets.
 Two-story reinforced concrete auto sales building (160x155).
 Owner—Albertson Motor Car Co. (agents Dodge Car).
 Architect—L. A. Smith, 621 Investment Bldg., Los Angeles.

Plans Being Prepared.
OFFICE BUILDING Cost, —
CALEXICO, Imperial Co., Cal. Heferman and 2nd Streets.
 Two-story concrete store and office building (150x140) 8 stores.
 Owner—Not given.
 Architect—Ralph Swearingen, Cal-exico.

Plans Being Figured. Bids Close July 30th, 1919.
ARMORY Cost, \$40,000
MARSHFIELD, Oregon.
 Hollow tile and stucco armory building, 105x120.
 Owner—State of Oregon.
 Architects—Clausen & Clausen, Macleay Bldg., Portland.
 (27752) 1st report May 29, 1919.

Plans Prepared. Bids to be Called Shortly.
WOMEN'S BLDG. Cost, \$200,000
EUGENE, Oregon.
 Three-story brick women's building, 26x276 (gymnasium, swimming tank, club equipment, etc.)
 Owner—University of Oregon.
 Architects—Lawrence & Holford, Chamber of Commerce Bldg., Portland, Ore.

Plans Being Prepared.

APARTMENTS Cost, \$15,000
SAN FRANCISCO. S Jackson E of
Powell Street.

Three-story brick apartment house (6
3-room apts.).

Owner—M. and S. Spiro & S. Heiman
Architect—S. Heiman, 57 Post St., San
Francisco

Plans Being Prepared.

BATHHOUSE Cost, \$85,000
HUNTINGTON BEACH, Cal.

One-story reinforced concrete and
frame municipal bathhouse,
amusement pavilion buildings and
pier.

Owner—City of Huntington Beach.

Architect—John C. Smith, 325 H. W.
Hellman Bldg.

Revising Plans.

STORE BLDG. Cost, —
CALEXICO, Imperial Co., Cal.

Two-story store building (65x130)

Owner—Villasenor.

Architect—Ralph Swearingen, Cal-
exico, Cal.

Completing Plans. Ready for Figures
About October First.

HOSPITAL Cost, \$700,000
OAKLAND, Alameda Co., Cal. 14th
Avenue and E-27th Street.

First unit Class "A" hospital.

Owner—Alameda County.

Architect—Henry H. Meyers, Kohl
Bldg., San Francisco.

Sketches Prepared.

THEATRE Cost, \$50,000
NAPA, Napa Co., Cal.

Fireproof theatre.

Owners—R. Blumenfeld and John

Knox, Cr. Empire Theatre, Napa.

Architect—Reid Bros., 105 Montgom-
ery St., San Francisco.

Plans Being Figured. Bids Close
July 31, 1919, 8 P. M.

SCHOOL Cost, \$20,000
ARTOIS, Glenn Co., Cal.

One-story frame or hollow tile school

Owner—Artois School District.

Architect—J. S. Gould, Colusa.

Plans may be seen at Hochheimer's
store in Artois, or at the office of the
County Superintendent of Schools,
Willows, or at the office of the Archi-
tect. H. J. Von Renner, Clerk.

Plans Being Prepared.

CHURCH Cost, \$10,000
OAKLAND, Alameda Co., Cal. Grove
Street.

Frame church.

Owner—St. Augustus Mission.

Architect—Chester H. Miller and Carl
I. Warnecke, Associate, New Call
Bldg., San Francisco.

Completing Plans.

RESIDENCE Cost, \$6,000
MANTECA, Cal.

Two-story frame residence.

Owner—J. R. Bell.

Architect—Chester H. Miller and Carl
I. Warnecke, Associate, New Call
Bldg., San Francisco.

Segregated Figures Being Taken.

AUTOMOBILE ACCESSARY BLDG.
Cost, \$40,000.

SAN FRANCISCO. SE O'Farrell St.
and Van Ness Avenue.

Two-story and basement reinforced
concrete automobile accessory
building.

Owner—Mr. Steinberger.

Architect—Joseph L. Stewart, 1212
Claus Spreckels Bldg., S. F.

Plans Being Figured.

DWELLING Cost, \$6,000
RICHMOND, Contra Costa Co., Cal.

One-story 6-room frame dwelling and
garage.

Owner—J. B. Silveira.

Architect—J. T. Narbett, 910 Mac-
Donald Ave., Richmond.

Plans Being Figured. Bids Close Aug.
7, 1919.

EXTENSION TO PIER Cost, \$—
SAN FRANCISCO. San Francisco
Water Front.

Extension to Pier No. 25.

Owner—State Board of Harbor Com-
missioners.

Engineer—Chief Engineer Frank G.
White, Ferry Bldg., San Francisco

Plans Being Figured. Bids Close Aug.
18 1919, at 8 P. M.

SCHOOL Cost, \$18,000
EASTON, San Mateo Co., Cal.

One-story frame school (4 rooms)

Owner—Easton School District.

Architect—E. L. Norberg, 420 Bank-
ers' Investment Bldg., San Fran-
cisco.

Plans may be obtained from Mr.
Norberg on a deposit of \$10.

Plans to be Prepared.

GARAGE Cost, \$—
STOCKTON, San Joaquin Co., Cal.

El Dorado and Park Streets.

Fireproof garage building, 150x200 ft.

Owner—E. Allen Test, Dodge Automo-
bile Agent, Stockton, Cal.

Plans Prepared. Construction to be
Started January 1st, 1920.

HOSPITAL Cost, \$150,000
SANTA ROSA, Sonoma Co., Cal.

Three-story reinforced concrete hos-
pital.

Owner—Liberty Hospital Co., Inc., Dr.
S. S. Bogle, President, Santa Rosa

Segregated Figures to be Taken
Shortly.

RESIDENCE Cost, \$30,000
SAN FRANCISCO. NE Vallejo and

Buchanan Streets.

Two-story and basement frame and
brick veneer residence.

Owner—B. F. Schlessinger.

Architect—Clarence A. Tantau, Clunie
Bldg., San Francisco.

Segregated Figures Being Taken.

APARTMENTS Cost, \$35,000
SAN FRANCISCO. SW Laguna and

Clay Streets.

Three-story and basement frame
apartments (3 apts. of 8 rooms and
4 baths each.)

Owner—Miss E. J. Booth.

Architect—Henry C. Smith, Humboldt
Bank Bldg., San Francisco.

Plans Being Figured. Bids Close Aug.
9, 1919, 4 P. M.

SCHOOL Cost, \$40,000
YREKA, Cal. Yreka Grammar

School.

One-story brick and concrete gram-
mar school (8 rooms and an audi-
torium).

Owner—Yreka School District.

Architect—Henry C. Smith, Humboldt
Bank Bldg., San Francisco.

Plans Prepared.

BUNGALOW Cost, \$—
MARTINEZ, Contra Costa Co., Cal.

Martinez Park Tract.

One-story frame bungalow.

Owner—Wm. Welsh, Martinez, Cal.

Architect—W. A. Doctor, 314 Main St.,
Martinez, Cal.

Segregated Figures to be Taken Next
Week.

SCHOOL Cost, \$—
BERKELEY, Alameda Co., Cal.

Dwight Way opp. Bowditch.

Three-story and basement brick and
terra cotta school building.

Owner—Berkeley Baptist Divinity

School, 2601 Dwight Way, Bkly.

Architect—Miss Julia Morgan, Mer-
chants' Exchange Bldg., San
Francisco.

Sub-Figures to be Taken in About a
Week.

APARTMENTS Cost, \$150,000
SAN FRANCISCO. E California 137
E Taylor Street.

Six-story and basement steel and con-
crete apartments (12 apts. of 12 and
8 rooms).

Owner—Winifred de Wolf and Anna
L. Brownlee, 1801 Van Ness Ave.,
San Francisco.

Architect—Lewis P. Hobart, Crocker
Bldg., San Francisco.

Contractor—Marcus Marcussen, 201
Sasome St., San Francisco.

Mr. Marcussen will be ready to
take sub-figures in about a week.

Figures to be Taken Shortly.

ALTERATIONS TO HOSPITAL

Cost, \$30,000.

SAN LEANDRO, Alameda Co., Cal.
County Hospital Site.

Extensive alterations to present two-story frame County Hospital. Improve sanitary equipment, move partitions, etc.

Owner—Alameda County.

Architect—Henry H. Meyers, Kohl Bldg., San Francisco.

Segregated Figures Being Taken.

OFFICE BLDG. Cost, \$—

OAKLAND, N 16th Street 100 W
Telegraph Avenue.

Four-story Class "C" office building.
Owner—East Bay Water Co., 9th and Broadway, Oakland.

Architect—Wm. Knowles, Hearst Bldg
San Francisco and Central Bank Bldg., Oakland.
(26811) 1st report Mar. 18; 4th June

Revised Plans Ready for Figures in
About Two Weeks.

OFFICES, ETC. Cost, \$75,000
SAN FRANCISCO. Jackson Street
near Embarcadero.

Six-story Class "A" building; garages on 1st floor; 2nd floor offices and lofts; roof garden for employees.

Owner—Wellman-Peck Co.

Architect—S. J. E. Krafft & Sons, Phelan Bldg., San Francisco.

Plans to be Prepared.

APARTMENTS Cost, \$100,000
MERCED, Merced Co., Cal. 19th and "M" Streets.

Fireproof apartment house building.
Site, 150x150.

Owner—Dr. J. C. Smith, Merced, Cal.
Architect—Not Yet Selected.

Plans Being Figured. Bids Close July
29, 1919, 1:30 P. M.

GARAGE Cost, \$—
BENICIA, Solano Co., Cal. Benicia Arsenal.

One-story reinforced concrete garage, 30x60.

Owner—United States Government.
Architect—Engineering Department
Benicia Arsenal.

Specifications may be obtained from
the arsenal.

Plans Being Figured.

BUNGALOW Cost, \$8,500

BURLINGAME, San Mateo Co., Cal.

One-story frame and plaster bungalow
Owner—Withheld.

Architect—Chas. E. J. Rogers, Phelan Bldg., San Francisco.

Plans to be Prepared.

DEHYDRATING PLANT Cost, \$—

RIPON, San Joaquin Co., Cal. Keus-
hardt Industrial Tract.

Dehydrating plant.

Owner—California Vegetable Union,
Ripon, Cal.

Architect—Not Given.

Commissioned to Prepare Plans

COURT HOUSE Cost, \$—

INDEPENDENCE, Inyo Co., Cal.

Court House.

Owner—Inyo County.

Architect—W. H. Weeks, 75 Post St.,
San Francisco.

Plans Being Prepared.

COMMISSARY BLDG. Cost, \$20,000

BENICIA, Solano Co., Cal. Benicia Arsenal.

One-story reinforced concrete commissary building.

Owner—United States Government.

Architect—Engineering Department
Benicia Arsenal.

Plans will be ready for figures in
about a month.

Plans Being Prepared.

STOREHOUSE Cost, \$130,000

BENICIA, Solano Co., Cal. Benicia Arsenal.

One-story brick, tile and frame artillery storehouse.

Owner—United States Government.

Architect—Engineering Department
Benicia Arsenal.

Plans will be ready for figures in
about a month.

Segregated Figures Being Taken.

APARTMENT HOUSE Cost, \$—

LONG BEACH, Los Angeles Co., Cal.

Eight-story Class "A" reinforced concrete apartment house.

Owner—Craig Warren Akers.

Architect—E. L. Mayberry and Engineer L. L. Jøbery, 468 Pacific Electric Bldg., Los Angeles.

Plans Being Prepared.

DEPT. BLDG. Cost, \$—

LOS ANGELES, Los Angeles Co., Cal.
7th and Broadway.

Seven-story Class "A" department building and alter adjoining buildings.

Owner—Bullock's Department Store,
Premises.

Architect—John Parkinson, 420 Title Insurance Bldg., Los Angeles.

Ready For Figures After August 1st.

RESIDENCES Cost, \$6,000 to \$9,000

SAN FRANCISCO. St. Francis Wood.

Three two-story frame residences (6 to 8 rooms each and a one-story 5-room bungalow.)

Owner—Withheld.

Architect—Henry H. Gutterston, 278 Post St., San Francisco.

Working Drawings Being Prepared.

RESIDENCE Cost, \$—

SAN FRANCISCO. N Green St., bet.

Broderick and Divisadero Sts.

Two-story and basement frame and plaster residence and garage.

Owner—Alfred Hanify.

Architects—Ward & Blohme, Alaska Commercial Bldg., San Francisco.

Sub-Figures Being Taken.

ALTERATIONS Cost, \$8,000

SAN FRANCISCO. Haight Street
near Webster Street.

Alter three-story frame flats into 6 3-room apts.

Owner—Dr. A. W. Morton.

Architect—O. E. Evans, 2569 Mission St., San Francisco.

Figures Being Taken.

SAN FRANCISCO. California St.

Alterations to office building (change partitions, tear out Oregon pine trim and replace with oak.)

Owner—Withheld.

Architect—C. W. McCall, Central Bk. Bldg., Oakland.

RESIDENCE Cost, \$—

GLEN ELLEN, Sonoma Co., Cal.

Fireproof residence.

Owner—Mrs. Jack London.

Architect—Harry Merritt, 716 Sycamore St., Oakland.

Plans Being Prepared.

RECTORY Cost, \$30,000

FRESNO, Fresno Co., Cal.

Two-story frame and stucco rectory, 43x81-6.

Owner—St. John's Catholic Church.

Architect—Ernest J. Kump, Fresno.

Plans Being Prepared.

ALTERATIONS Cost, \$—

BAKERSFIELD, Kern Co., Cal. No.

1710 Chester Street.

Alterations and an addition 33x115 feet to Lodge Building.

Owner—Elks Lodge of Bakersfield.

Architect—Oroville Clarke, Bakersfield.

The present building will be altered and an addition built instead of a new building as was contemplated.

Plans Being Prepared. Contract
Awarded.

APARTMENTS Cost, \$35,000

FRESNO, Fresno Co., Cal. Fortcamp

and Dennett Streets.

Apartment building. (14 apts.; 10 3-

room and 4 4-room apts).

Owner—Withheld.

Architect & Contractor—R. F. Felch-

lin, Fresno, Cal.

Plans Being Prepared.

RESIDENCE Cost, \$18,000

SELMA, Fresno Co., Cal.

Two-story and basement hollow tile residence, 45x66.

Owner—S. L. Heisinger, Selma, Cal.

Architects—Coates & Traver, Rowell Bldg., Fresno.

PLANS ADOPTED FOR HARBOR IMPROVEMENT.

REDONDO BEACH, Los Angeles

Co., Cal.—The City Trustees have

adopted the plans of Leeds & Barnard,

Central Bldg., Los Angeles, engineers,

for rubble mound breakwater, extending

from the foot of Fourth street 1280

feet into the ocean thence south 500

feet. The top of the breakwater will

be 10 ft. above low water. The completed

harbor, according to plans developed

by the engineers, will cost approximately

\$4,000,000. A suit to

enjoin the sale of the \$300,000 bonds

voted for harbor improvements is

now pending.

PAVING PLANNED.

BRAWLEY, Imperial Co., Cal.—The

City Commissioners have adopted a

resolution of intention to pave Main

street east and west at both ends and

construct sidewalks on both sides;

also to pave Eighth street between E

and A streets, and between E and Y

streets, and other streets. The paving

outlined will cost approximately

\$100,000.

CONTRACTS AWARDED

Liens, Acceptances, Etc.

BUILDING CONTRACTS.

San Francisco County.

No.	Owner	Contractor	Amt.
1441	Dominican	Malley	5000
1442	Weissman	Gutteridge	1800
1443	Blob	Blob	1000
1444	Hannig	Ruegg	500
1445	Goldman	Mullen	9950
1446	City of Paris	Otis	24375
1447	Walters	MacDonald	60000
1448	Dietlin	Hamill	3500
1449	Burke	Burke	5000
1450	Roderick	Rich	3825
1451	Dunn	Dunn	12960
1452	Deming	Deming	5000
1453	Bothin	Bothin	18000
1454	Usenbad	Owner	5000
1455	Phillips	Ferguson	400
1456	Dorl	Jones	1200
1457	Wulzen	Murphy	500
1458	Jones	Blum	850
1459	Wash	Owner	1000
1460	Dollar	Wilson	6586
1461	Cook	Cook	12000
1462	Pyne	Maas	1504
1463	Eureka Sash	Owner	6000
1464	Karstensen	Jensen	950
1465	Quality Food	Glaser	550
1466	Harband	Kragen	1000
1467	Feigenbaum	Owner	400
1468	Buckbee	Swenson	900
1469	Watson	Diestel	750
1471	Bryan	Wegner	11500
1472	Sharboro	Koenig	5000
1473	Dougherty	Owner	600
1474	King	Urfer	400
1475	Orr	Smith	750
1476	O'Neill	O'Neill	3000
1477	Wegen	Haun	500
1478	Koenig	Koenig	400
1479	Hagan	Wilson	2300
1480	Dy	Grell	6250
1481	Aronson	Duncana	10690
1482	Cal Brwng Assoc.	Owner	14530
1483	Lyon	Lyon	400
1484	Crocker	Samuelson	2600
1485	Amer Motor.	Barrett	40000
1486	Rolph	McLeran	5000
1487	Cudahy	Barrett	864
1488	Linehan	Linehan	4000
1489	Grant	Lindgren	18000
1490	Briden	Hansen	5300
1491	Holzberg	Owner	400
1492	Harband	Kragen	1000
1493	Moeller	Leigh	8000
1494	Nelson	Nelson	12000
1495	Tiscornia	Owner	3000
1496	McKae	Owner	1000
1497	Faulsen	Moran	400
1498	Nelson	Nelson	6000
1499	Lapham	Lapham	6000
1500	Jacobi	Hogberg	2560
1501	Stoff	McGowan	6245

1441) NO. 1212 GUERRERO. Addition and repairs to convent.
Owner—Dominican Sisters, Premises.
Architect—None.
Contractor—F. T. Malley, 24th and Guerrero, San Francisco.
COST, \$5000

(1442) SW ELEVENTH & KISLING. Alter flats.

Owner—Wm. Weissman, 1230 Jackson, San Francisco.
Architect—None.
Contractor—P. H. Gutteridge, 509 Frederick, San Francisco.
COST, \$1800

(1443) W NINTH AVE 200 and 250 S Geary. Two concrete foundations for two two-story flats.

Owner—Henry Blob, 232 Balboa Bldg. San Francisco.
Architect—None.
Contractor—Wegner & Blob, 232 Balboa Bldg., San Francisco.
COST, \$500 each

(1444) NO. 2334 MISSION. Alter store.

Owner—Mary Hannig, 2336 Mission, San Francisco.
Architect—None.
Contractor—Ruegg Bros., 719 Pacific Bldg., San Francisco.
Cost, \$500

(1445) NOS. 786-788 MARKET. All work for alterations and additions to store in three-story building.

Owner—I. Goldman, Premises.
Architect—Bernard J. Joseph, New Call Bldg., San Francisco
Contractor—Mullen Mfg. Co., 68 Rausch, San Francisco.
Filed July 21, '19. Dated July 7, '19.
Rough work for show windows in, girders, floor joists & flooring for mezzanine in and 1/2 of new fixtures in.....\$3450
Completed and accepted.....4000
Usual 35 days.....2500
TOTAL COST, \$9950

Bond, \$5000. Surety, New Amsterdam Casualty Co. Limit, Aug. 31, 1919.
Forfeit, \$25. Plans and specifications filed.

(1446) LOCATION NOT GIVEN. Two new electric passenger elevators, removing and re-locating four existing passenger elevators, removing and retaining 2 electric dumb waiters, 1 hydro air sidewalk elevator and 1 electric freight elevator and 1 passenger elevator.

Owner—City of Paris Dry Goods Co., Geary and Stockton, S. F.
Architect—Bakewell & Brown, 251 Kearny, San Francisco.
Contractor—Otis Elevator Co., Beach and Stockton, S. F.

Filed July 21, '19. Dated July 7, '19.
Monthly payments of.....75%
Usual 35 days.....25%
TOTAL COST, \$24,375

Bond, limit, forfeit, none. Specifications only filed

(1447) NE VAN NESS AVE AND Sacramento. Two-story concrete auto sales building.

Owner—Mrs. Hannah Walters, (Peacock Motor Sales Co.)
Engineers—MacDonald & Kahn.
Contractor—MacDonald & Kahn, 907 Rialto Bldg., San Francisco.
COST, \$60,000

(1448) W THIRTY-EIGHTH AVE 125 N Fulton. One-story frame residence.

Owner—E. Dietlin, 19 Coso Ave., San Francisco.
Architect—None.
Contractor—Thos. Hamill, 4101 Balboa, San Francisco.
COST, \$3500

(1449) SW TENTH AVE AND BALBOA. One story frame residence.

Owner—M. Burke, 1158 Church, S. F.
Architect—None.
Day's work. COST, \$5000

(1450) S TEDDY AVE 75 W San Bruno Road. One-story frame residence.

Owner—Jos. Roderick.
Architect—None.
Contractor—James M. Rich, 940 Railroad Ave., San Francisco.
COST, \$3925

(1451) N PINE 199-6 W Leavenworth Three-story frame apartments.

Owner—J. F. Dunn, 401 Phelan Bldg., San Francisco.
Architect—None.
Sub-Contracts COST, \$12,960

(1452) W HYDE AVE 75 W Filbert. Two-story and basement (2) flats.

Owner—Jay Deming, 112 Market, S. F.
Architect—None.
Day's work. COST, \$5000

(1453) N HOWARD 402 W First. Two-story and basement brick or concrete building.

Owner—Bothin Real Estate Co., 604 Mission, San Francisco.
Architect—J. W. Ettler, 604 Mission, San Francisco.
Day's work COST, \$18,000

(1454) SW GOLDEN GATE AVE & Octavia. Remodel all partitions so it will be opened.

Owner—J. Usenbad, 544 Market, S. F.
Architect—None.
Day's work COST, \$5000

(1455) NO. 2702 LAGUNA. Garage under house and concrete floor.

Owner—A. P. Phillips, Premises.
Architect—None.
Contractor—Ferguson & Son, 1739 Union, San Francisco.
COST, \$400

(1456) NO. 2009 PACIFIC AVE. One story brick private garage.

Owner—Mrs. E. Dorl, Burlingame
Architect—None.
Contractor—Paul K. Jones, 180 Jessie San Francisco.
COST, \$1200

(1457) E VALENCIA COR. 17th. Alter garage

Owner—D. J. Wulzen, — Valencia, San Francisco.
Architect—None.
Contractor—John Murphy, 2693 Bush, San Francisco.
COST, \$500

(1458) SE KEARNY AND POST. Erect partition and repair floor in basement.
Owner—Bullock & Jones.
Architect—Mrs. Vollmer, Powell and Geary, Cr. Schussler Bros.
Contractor—Geo. Blum, 815 Valencia San Francisco.

COST, \$850

(1459) E UNIVERSITY bet. Bacon and Wayland. One-story frame cottage.
Owner—Sylvester H. Wash, 407 University, San Francisco.
Architect—None.
Day's work.

COST, \$1000

(1460) BATTERY & CALIFORNIA. All work for heating for five-story Class "A" addition to office building. Owner—The Robert Dollar Co., by Dinwiddie Constr. Co., Crocker Bank Bldg., Oakland.
Architect—Chas. W. McCall, Central Bank Bldg., Oakland.
Sub-Contractor—Wm. F. Wilson Co., 328 Mason St., San Francisco.
Filed July 22, '19. Dated June 23, '19. Monthly payments of..... 85%
Usual 35 days..... Balance
TOTAL COST, \$6586
Bond, \$3793. Sureties, Fredk. A. Wilson and Albert J. Wilson. Limit, forfeit, plans and specifications, none.

(1461) WORTH N of Filbert 100 E Polk. Two-story frame flats.
Owner—A. Cook, 1300 Florida, S F
Architect—W. C. Falch, Hearst Bldg., San Francisco.

Day's work. COST, \$12,000
(1462) NO. 119 COLLEGE AVE. Raise dwelling for basement garage and add one living room, 14x14.
Owner—A. T. Payne, 119 College Ave., San Francisco.

Architect—None.
Contractor—Maas & McGabey, 3974 22nd and 565 Douglass, S. F.

COST, \$1504

(1463) NO. 1715 MISSION (rear). Two-story frame workshop.
Owner—Eureka Sash, Door & Moulding Mills, 1715 Mission, S. F.
Architect—None.
Day's work.

COST, \$6000

(1464) NO. 823 OAK. Repair fire damage to flats.
Owner—J. & S. Karstensen, Prem.
Architect—None.
Contractor—Jas. Jensen, 550 Valencia, San Francisco.

COST, \$950

(1465) NO. 3347 FILLMORE. Install smoke house in sausage factory.
Owner—Quality Food Co., Premises.
Architect—None.
Contractor—Glasser, 110 Jessie, S. F.

COST, \$550

(1466) S MARKET NO. 775. Put in show cases.
Owner—Harbard Trunk Co., 775 Market, San Francisco.
Architect—None.
Contractor—Louis Kragen, 743 Gough San Francisco.

COST, \$1000

(1467) NO. 1415 HAIGHT. Alter for candy store.
Owner—Juline Felgenbaum, 555 Market, San Francisco.
Architect—None.
Day's work.

COST, \$400

(1468) NO. 21 SECOND. Alter front of store.
Owner—Buckbee, Thorne Co., 27 Montgomery, San Francisco.
Architect—None.
Contractor—Swenson & Franzen, 145 Natoma, San Francisco.

COST, \$900

(1469) NO. 2203 SCOTT. Repair fire damage.
Owner—D. M. Watson, Premises.
Architect—None.
Contractor—John Diestel, 248 Russ Bldg., San Francisco.

COST, \$750

(1470) LOTS 2, 3 AND 4 BLK 3197, Westwood Park. All work for three one-story and basement frame residences.

Owner—Herman C. Bauman & John D. Baumann, 251 Kearny, S. F.
Architect—H. C. Baumann, 251 Kearny, San Francisco.
Contractor—Robt. C. Black, 40 Woodland, San Francisco.

1470 Baumann Black 12000
Filed July 23, '19. Dated July 16, '19. Frame up, enclosed & roof on.....\$3000
Brown coated outside & inside 3000
Completed and accepted..... 3000
Usual 35 days..... 3000
TOTAL COST, \$12,000
Bond, \$6,000. Sureties, E. A. Janssen and Leslie Jacobs. Limit, 90 days Forfeit, none. Plans and specifications filed.

(1471) SE MISSION 110 SW Fourth SW 40xSE 80. All work for one-story and basement reinforced concrete store building.
Owner—Mary M. Bryan.
Architect—W. H. Crim Jr., 425 Kearny, San Francisco.

Contractor—Adolph Wegner & Henry Blob (as Wegner & Blob), 593 Market, San Francisco.
Filed July 23, '19. Dated July 11, '19. Concrete poured to ceiling joists\$2916
Roof on, brick plastering done and finish floor laid..... 2916
Completed and accepted..... 2916
Usual 35 days..... 2922
TOTAL COST, \$11,670
Bond, \$5835. Surety, Maryland Casualty Co. Limit, 65 days. Forfeit, \$15. Plans and specifications filed.

(1472) 3 PACIFIC AVE 65 N Scott. Two-story frame dwelling.
Owner—R. Sbarboro.
Architect—Wm. Koenig.
Contractor—Wm. Koenig, 788 16th Ave., San Francisco.

COST, \$5000

(1473) W EIGHTH AVE 250 N Clement. Grade basement of dwelling.
Owner—Katherine Dougherty, 705 Clement, San Francisco.
Architect—None.
Day's work.

COST, \$600

(1474) NO. 2301 SCOTT. Add bath and enlarge present one in dwlg.
Owner—Mrs. J. L. King, Premises.
Architect—None.
Contractor—Chas. E. Urfer, 134 Hallock, San Francisco.

COST, \$400

(1475) NO. 1945-47 McALLISTER. Alter and erect stairs in dwelling.

Owner—Orr & Davis, Premises.
Architect—None.
Contractor—J. W. Smith, 180 Jessie, San Francisco.

COST, \$750

(1476) NO. 273 MINNA. Extend basement and general alterations for store.
Owner—Daniel O'Neill, Premises.
Architect—J. E. Kraft & Sons, Pheasant Bldg., San Francisco.
Day's work.

Cost, \$3000

(1477) N TWENTY-THIRD 256 W Sanchez. One-story frame garage.
Owner—J. Wegner, 3946 23rd, S. F.
Architect—None.
Contractor—C. C. W. Haun, 180 Jessie San Francisco.

COST, \$500

(1478) S PACIFIC AVE 75 E Scott. One-story concrete garage.
Owner—Wm. Koenig, 180 Jessie, San Francisco.
Architect—Wm. Koenig.
Contractor—Wm. Koenig, 180 Jessie San Francisco.

COST, \$400

(1479) W TWENTY-NINTH AVE 250 N Vicente. Raise and alter dwlg.
Owner—Sarah Hagan, 2555 29th Ave., San Francisco.
Architect—None.
Contractor—Wilson & Balbeani, 2530 28th Ave., San Francisco.

COST, \$2300

(1480) LOTS 9 AND 10 BLK 3162, Westwood Park. All work for one-story and basement garage bungalow.
Owner—Wm. P. and Elizabeth Day, 130 Lee Ave., San Francisco.
Architect—Ida F. McCain, 218 Kearny St., San Francisco.

Contractor—Phillip Greil, 90 Haight St., San Francisco.
Filed July 24, '19. Dated July 16, '19. Enclosed and roof on.....\$1562.50
Brown coated 1562.50
Completed and accepted..... 1562.50
Usual 35 days..... 1562.50
TOTAL COST, \$6250.00
Bond, \$3125. Sureties, Jacob Weiler and E. Gustave Schultz. Limit, 80 days. Forfeit, none. Plans and specifications filed.

(1481) N ELLIS 37 E Jones 50x87. All work for one-story Class "C" store building.
Owner—Nettie Aronson, 2130 Pacific Ave., San Francisco.
Architect—S. Heiman, 57 Post St., San Francisco.

Contractor—W. C. Duncan & Co., Sharon Bldg., San Francisco.
Filed July 24, '19. Dated July 17, '19. On completion of concrete work
In basement\$2000
White coated 2000
Completed and accepted..... 2000
Usual 35 days..... 2690
TOTAL COST, \$10,690

Bond, \$5600. Sureties, Peter Bradley and Frank Davison. Limit, 100 days. Forfeit, none. Plans and specifications filed.

(1482) NO. 761 FULTON. Add one room to brewery.
Owner—California Brewing Association, Premises.
Architect—None.
Day's work.

COST, \$450

(1483) NO. 30 MASON. Alter for restaurant.
Owner—Lyon & Hoag, 660 Market St., San Francisco.
Architect—Will H. Toepke, 942 Market, San Francisco.
Day's work. COST, \$400

(1484) W MUNICH 250 E Cordova. One-story and basement frame dwlg
Owner—Crocker Estate Co., Crocker Bldg., San Francisco.
Architect—None.
Contractor—A. M. Samuelson, 3732 21st, San Francisco.
COST, \$2600

(1485) SE POST & GOUGH. Two-story reinforced concrete repair building.
Owner—American Motor Repair Co., Care Architect.
Architect—Sylvain Schnaittacher, 233 Post, San Francisco.
Contractor—Barrett & Hilp, Sharon Bldg., San Francisco.
COST, \$40,000

(1486) NO. 60 CALIFORNIA. Alter for offices.
Owner—Jas. Rolph Jr.
Architect—John Reid Jr., 1st National Bank Bldg., San Francisco.
Contractor—McLeran & Peterson, Hearst Bldg., San Francisco.
COST, \$5000

(1487) NO. 55 UNION. Concrete floor and alter warehouse.
Owner—Cudahy Packing Co., Prem.
Architect—Ward & Blohme, Alaska Commercial Bldg., S. F.
Contractor—Barrett & Hilp, Sharon Bldg., San Francisco.
COST, \$864

(1488) S YORBA 40 W 40th Ave. Two story and basement frame dwelling.
Owner—J. C. Linehan, 3655 20th, San Francisco.
Architect—None.
Day's work. COST, \$4000

(1489) SE BUSH AND SANSOME. General alterations for offices.
Owner—Grant Co.
Architect—None.
Contractor—Lindgren & Co., Monadnock Bldg., San Francisco.
COST, \$18,000

(1490) LOT 7 and S ½ Lot 6 Blik 3106, Westwood Park. All work for one-story 5-room frame bungalow.
Owner—Elsie P. Briden.
Architect—Ida F. McCain, 318 Kearny, San Francisco.
Contractor—H. J. Hansen, 1327 20th Ave., San Francisco.
Filed July 25, '19. Dated July 25, '19.
Enclosed and roof on.....\$1325
Brown coated.....1325
Completed and accepted.....1325
Usual 35 days.....1325
TOTAL COST, \$5300

Bond, \$2650. Sureties, E. V. Lacey and H. H. Winner. Limit, 60 days. Forfeit, none. Plans and specifications filed.

(1491) NO. 890 GEARY. Minor alterations to apartments.
Owner—Dr. H. L. Holzberg, Prem.
Architect—None.
Day's work. COST, \$400
ALTERATIONS
(1492) NO. 775 MARKET. Alter store.

Owner—Harband Trunk Co., Prem.
Architect—None.
Contractor—Louis Krugen, 743 Gough, San Francisco.
COST, \$1000

(1493) E THIRTY-SECOND AVE 50 and 75 N Geary. Two two-story frame dwellings.
Owner—Moeller & Gray, 24th Ave. and Clement, S. F.
Architect—None.
Contractor—David Leigh, 840 44th Ave., San Francisco.
COST, \$4000 each

(1494) W PLYMOUTH 237 and 314 N San Ramon. Two one-story and basement frame dwellings.
Owner—Nelson Bros., 30 Northwood Drive, San Francisco.
Architect—Chas. Strothoff, 2276 15th, San Francisco.
Day's work. Cost, \$6000 each

(1495) N OCEAN AVE 40 E Otsego. One-story and basement frame dwelling.
Owner—Domonic Tiscornia, 231-A Delano Ave., San Francisco.
Architect—None.
Day's work. COST, \$3000

(1496) S GOLDEN GATE AVE No. 367. Repair and paint roof skylights.
Owner—J. A. McKae, 2243 Virginia St., Berkeley.
Architect—None.
Day's work. COST, \$1000

(1497) E TENTH AVE N of Fulton. Private garage and alterations.
Owner—O. F. Paulsen, 766 10th Ave., San Francisco.
Architect—None.
Contractor—Harry Moran, 978 10th Ave., San Francisco.
COST, \$400

(1498) W MIRAMAR 335 N Wildwood. One-story and basement frame dwelling.
Owner—Nelson Bros., 30 Northwood Drive, San Francisco.
Architect—Chas. Strothoff, 2776 15th, San Francisco.
Day's work. COST, \$6000

(1499) NW THIRTY-SEVENTH AVE 30 N Geary. Two-story frame dwelling.
Owner—A. R. Lapham, 485 36th Ave., San Francisco.
Architect—None.
Day's work. COST, \$6000

(1500) SW JACKSON & PRESIDIO AVE W 120-9xS 27-8½. All work for retaining wall, steps and a garage.
Owner—Alex Jacobi, 111 Presidio Ave., San Francisco.
Architect—Alfred Henry Jacobs, 110 Sutter St., San Francisco.
Contractor—Emil Hogberg, 180 Jessie San Francisco.
Filed July 26, '19. Dated July 25, '19.
On completion.....¾
Usual 35 days.....¼
TOTAL COST, \$2560

Bond, limit, forfeit, none. Plans and specifications filed.

(1501) W HYDE 57-6 S Bush S 50x W 95. Brick work, terra cotta flue lining, setting of steel work, etc., for four-story and basement Class "C"

apartment building.
Owner Louis D. Stoff, 830 Sutter, St., San Francisco.
Architect—Albert Schroeffer, 14 Montgomery, San Francisco.
Contractor—M. B. McGowan, 180 Jessie, San Francisco.
Filed July 26, '19. Dated July 10, '19.
Up to 2nd floor joists.....\$1200
Up to 3rd floor joists.....1000
Up to 4th floor joists.....1000
Completed and accepted.....1483
Usual 35 days.....1562

TOTAL COST, \$6245
Bond, \$3150. Sureties, Arthur B. Sibley and D. J. Sullivan. Limit, 30 days. Forfeit, none. Plans and specifications filed.

LEASE.

San Francisco County.
July 24, 1919—NO. 1416 BROADWAY about 72 W Larkin. Sam Schwartz to Mrs Josephine B Seigler. 2 years \$720.
July 25, 1919—NO. 2989 FOLSOM. G and Pio Di Mauro to Pompei Macaroni Faelory. 10 years. \$18,000.

NOTICE OF NON-RESPONSIBILITY.

San Francisco County.
July 21, 1919—W SIXTH bet. Howard and Natoma Nos. 174 and 180 Sixth St. R D McElroy as to improvements on leased property.....

COMPLETION NOTICES.

San Francisco County.
RECORDED ACCCEPTED
July 19, 1919—NO. 783 MARKET. Humboldt Savings Bank to P F Reilly.....July 16, 1919
July 23, 1919—NO. 1252 MONTEREY Ave., Berkeley. H L Hansen to O E Nelson.....July 21, 1919
July 16, 1919—S HANOVER AVE 75 W Newton Ave, Okd. Maude M Wallace to L G Geary.....July 14, 1919
July 25, 1919—NO. 201 POWELL & 204 O'Farrell. General Cigar Co Inc, M A Gunst Branch to The Mullen Mfg Co.....July 18, 1919
July 25, 1919—NW TWENTY-eighth and Sanchez N 34xW 100. Jeremiah Crowley to Thomas McCormick.....July 12, 1919
July 25, 1919—E MARSILLY 85 S Eosworth E 78-0½ SW 109-8¼ W 0-½ S 161-5½ N 76-5½ Lots M and N Resbvn Lots 1 to 10 Blik 11, Deboom Tract. Michael Costello to whom it may concern.....July 25, 1919
July 25, 1919—NE PRECITA AVE and Alabama N 30x E 70. Michael Costello to whom it may concern.....July 25, 1919
July 25, 1919—S TURK 136-6 E Van Ness Ave E 90xS 120. Oscar H Curtaz to whom it may concern.....July 24, 1919
July 25, 1919—S TARAVAL 57-6 W 30th Ave W 150xS 100. Parkside Realty Co to Nelson Bros.....July 25, 1919

LIENS FILED.

San Francisco County.
July 22, 1919—N TWENTY-SECOND 37-6 E Dolores E 55xN 94. A P Button vs Josephine Patten.....\$160

BUILDING CONTRACTS

Alameda County.

The following is an index for the contracts for this time:

No.	Owner	Contractor	Amt.
1522	Larsen	Larsen	6000
1523	Trent	Trent	3130
1524	Anderson	Littlefield	500
1525	Valadon	Valadon	500
1526	Mello	Mello	400
1528	Seminary Av	Ld. Owner	5400
1529	Herrman	Button	2950
1530	Anderson	Pearson	400
1531	Brown	Brown	400
1532	Leveroni	Hart	450
1533	Robinson	Littlefield	1900
1534	Herrick	Peterson	1500
1535	Mason	Wegner	400
1536	McNair	Moe	400
1537	Morrison	Morrison	1200
1538	Madden	Hambleton	1250
1539	Smith	Smith	4000
1540	Arints	Oakley	2850
1541	Anderson	Matteson	2700
1542	Bradley	Lindquist	2800
1543	Strong	Owner	2000
1544	Cross	Hollenbeck	3000
1545	Same	Same	3050
1546	Same	Same	3100
1547	Same	Same	3250
1548	Same	Same	2100
1549	Same	Same	2500
1550	Same	Same	2700
1551	Same	Same	4200
1552	Hantow	Owner	2500
1553	Johnson	Stanley	800
1554	Doody	Shrader	465
1555	Reeves	Bassett	790
1556	Greuner	Burrell	13000
1557	Miller	Scott	3000
1558	Dolan	Dolan	400
1559	City of Oakland	Hunt	12000
1560	McCabe	Chambers	400
1561	Ross	Koski	19000
1562	Nohe	Noble	5200
1563	Nohe	Noble	3000
1564	Pearson	Swenson	3500
1565	Ambrilgo	Owner	3000
1566	Espagnoble	Knight	3750
1567	Shueck	Haws	4900
1568	Long	Sheridan	3500
1569	Loyd	Clark	2500
1570	Broderick	Branch	400
1571	Bkly Day Ncrv	Trammal	640
1572	Jensen	Brown	2000
1573	Goldberg	Owner	500
1574	Davidson	Davidson	400
1575	Cushman	Cushman	500
1576	Abrahamson	Jackson	500
1577	Gernert	Rankin	4000
1578	Aronson	Aronson	2250
1579	Werner	Werner	1500
1580	Nuttee	Sorensen	500
1581	Schonig	Owner	1600
1582	Welsh	Preshy	1500
1583	Hoberton	Williams	2500
1584	Same	Same	2500
1585	Voorman	Nelson	2800
1586	Ballard	Corbett	475
1587	Bates	Pedgrift	1000
1588	Niemcewicz	Owner	2000
1589	Taylor	Taylor	2800
1590	Taylor	Taylor	2800
1591	Lorenzen	Bertelsen	400
1592	Chevrolet	Am Marble	15500
1593	Same	Cal Art Metal	1960
1594	Same	Fuller	5600
1595	Same	Bradley	5064
1596	Realty Syndicate	Picard	1254
1597	Same	Baccus	3803
1598	Parsons	Engler	3200

(1522) W TWENTY-NINTH AVE 188 and 223 E-16th, Oakland. Two 1-story 5-room dwellings.

Owner—R. K. Larsen, 1550 28th Ave., Oakland.
Architect—None.
Day's work. COST, \$3000 each

(1523) S ANNERELY ROAD 400 E Harvard Road, Oakland. One-story 6-room dwelling.
Owner—Rose Trent, 3256 Grove, Okd.
Architect—None.
Day's work. COST, \$3130

(1524) NO. 519 THIRTEENTH, Oakland. Repairs.
Owner—Harry S. Anderson, 405 13th, Oakland.
Architect—None.
Contractor, R. W. Littlefield, 565 16th, Oakland.
COST, \$500

(1525) E EIGHTY-NINTH AVE 180 N "A," Oakland. One-story 3-room dwelling.
Owner—Wm. Valadon.
Architect—None.
Day's work. COST, \$500

(1526) NO. 2246 E-THIRTY-FIRST, Oakland. Alterations.
Owner—Mrs. John Mello, Premises.
Architect—None.
Day's work. COST, \$400

(1527) NW SIXTY-FIFTH AND Tremont, Oakland. Lath and plaster for three one-story frame dwellings
Owner—J. A. Sullivan, Berkeley.
Architect—W. H. Ratcliff Jr., 1st National Bank Bldg., Berkeley
Contractor—Elmer Davis, 2009 Minnesota, Oakland.
Filed July 21, '19. Dated June 2, '19.
As work progresses..... 75%
Usual 35 days..... 25%
TOTAL COST, \$963
Bond, limit, forfeit, none. Plans and specifications filed.

(1528) E SIXTY-FIRST AVE 320 & 240 S Braun, Oakland. Two one-story 5-room dwellings.
Owner—Seminary Ave. Land Co, Okd.
Architect—None.
Day's work. COST, \$2750 each

(1529) NO. 359 SIXTY-third, Oakland. Two story addition to dwlg.
Owner—E. Herrmann, Premises.
Architect—None.
Contractor—I W. Button, 347 63rd, Oakland.
COST, \$2950

(1530) SEMINARY ROAD ¼ mile N Mills College, Oakland. Chicken house.
Owner—John Anderson.
Architect—None.
Contractor—Ben Pearson, 2403 Grant, Oakland.
COST, \$400

(1531) NO. 965 SIXTY-SECOND AV Oakland. Alterations.
Owner—L. A. Brown, 519 8th, Okd.
Architect—None.
Day's work. COST, \$400

(1532) W SANTA CLARA 500 N Grand, Oakland. Garage.
Owner—Mrs. Leveroni, 462 Crescent, Oakland.
Architect—None.
Contractor—R. L. Hart, 2257 E-21st, Oakland.
COST, \$450

(1533) NE PARK AND UPPER ROAD Oakland. Garage and alter residence.
Owner—Jesse Robinson, Claremont Manor.
Architect—Schirmer Bugbee & Co., Thayer Bldg., Oakland.
Contractor—R. W. Littlefield, 565 16th, Oakland
COST, \$1900

(1534) DWIGHT WAY & MILVIA, Berkeley. Add to hospital.
Owner—Dr. L. F. Herrick, 542 Lake Shore Blvd., Oakland.
Architect—None.
Contractor—Alfred Peterson, 3918 Linwood Ave., Oakland.
COST, \$1500

(1535) NO. 3144 COLLEGE AVE., Berkeley. Repairs.
Owner—John Mason, Premises.
Architect—None.
Contractor—A. Wegner, 3156 College Ave., Berkeley.
COST, \$400

(1536) NO. 1740 OXFORD, Berkeley Garage.
Owner—F. H. McNair, Premises.
Architect—None.
Contractor—H. A. Moe, 527 43rd, Okd.
COST, \$400

(1537) S FORTY-FIRST 272 W Market, Oakland. One-story 4-room dwelling.
Owner—H. E. Morrison, 929 41st, Okd.
Architect—None.
Day's work. COST, \$1200

(1538) NO. 79 MONTELL, Oakland. Fire repairs.
Owner—Mrs. M. Madden, Premises.
Architect—None.
Contractor—Fred Hambleton, 3727 13th Ave., Oakland.
COST, \$1250

(1539) S EXCELSIOR 300 E Alma Ave., Oakland. Two-story 7-room dwelling.
Owner—M. T. Smith, 436 Moss Ave., Oakland.
Architect—None.
Day's work. COST, \$4000

(1540) S BOND 160 E Vicksburg, Oakland. One-story 6-room dwlg.
Owner—C. A. Arints, Syndicate Bldg. Oakland.
Architect—None.
Contractor—Oakley & Kolmodin, 1911 65th Ave., Oakland.
COST, \$2850

(1541) SE BROOKLYN & MONTclair Ave., Oakland. One-story 5-room dwelling.
Owner—Frank Anderson, 882 24th, Oakland.
Architect—None.
Contractor—Wm. E. Matteson, 3328 Maple Ave., Oakland.
COST, \$2700

(1542) W ARDLEY 55 N E-38th, Oakland. One-story 5-room dwlg.
Owner—Anita E. Bradley, 2639 Hille-gass Ave., Oakland.
Architect—None.
Contractor—John Lindquist, 1634 84th Ave., Oakland.
COST, \$2800

(1543) W COLLEGE AVE 100 N Lawton, Oakland. Alter store.
Owner—Strong Realty Co., 5649 College Ave., Oakland.
Architect—A. J. Yerrick.
Day's work. COST, \$2000

(1544) W FAIRFAX AVE 45 S Ygnacio Ave., Oakland. One-story 6-room dwelling.
Owner—P. B. Cross, 1st Savings Bk. Bldg., Oakland.
Architect—Reed & Corlett, Oakland
Bank of Savings Bldg., Oakland.
Contractor—G. B. Hollenbeck, 966 26th, Oakland.
COST, \$3000

(1545) E FAIRFAX AVE 165 N Ygnacio Ave., Oakland. One and one-half-story 6-room dwelling.
Owner—P. B. Cross, 1st Savings Bk. Bldg., Oakland.
Architect—Reed & Corlett, Oakland
Bank of Savings Bldg., Oakland.
Contractor—G. B. Hollenbeck, 966 26th, Oakland.
COST, \$3050

(1546) W CONGRESS AVE 45 S Ygnacio Ave., Oakland. One and one-half-story 6-room dwelling.
Owner—P. B. Cross, 1st Savings Bk. Bldg., Oakland
Architect—Reed & Corlett, Oakland
Bank of Savings Bldg., Oakland.
Contractor—G. B. Hollenbeck, 966 26th, Oakland.
COST, \$3100

(1547) W CONGRESS AVE 95 S Ygnacio Ave., Oakland. One-story 6-room dwelling.
Owner—P. B. Cross, 1st Savings Bk. Bldg., Oakland.
Architect—Reed & Corlett, Oakland
Bank of Savings Bldg., Oakland.
Contractor—G. B. Hollenbeck, 966 26th, Oakland.
COST, \$3250

(1548) NW FIFTIETH AVE AND Ygnacio, Oakland. One-story 4-room dwelling.
Owner—P. B. Cross, 1st Savings Bk. Bldg., Oakland.
Architect—Reed & Corlett, Oakland
Bank of Savings Bldg., Oakland.
Contractor—G. B. Hollenbeck, 966 26th, Oakland.
COST, \$2100

(1549) N YGNACIO AVE 58 W 50th Ave., Oakland. One-story 4-room dwelling.
Owner—P. B. Cross, 1st Savings Bank Bldg., Oakland.
Architect—Reed & Corlett, Oakland
Bank of Savings Bldg., Oakland.
Contractor—G. B. Hollenbeck, 966 26th, Oakland.
COST, \$2500

(1550) N YGNACIO AVE 100 W 50th Ave., Oakland. One-story 5-room dwelling.
Owner—P. B. Cross, 1st Savings Bank Bldg., Oakland.
Architect—Reed & Corlett, Oakland
Bank of Savings Bldg., Oakland.
Contractor—G. B. Hollenbeck, 966 26th, Oakland.
COST, \$2700

(1551) SW COLE AND YGNACIO Ave., Oakland. Two-story 7-room dwelling.
Owner—P. B. Cross, 1st Savings Bank Bldg., Oakland.
Architect—Reed & Corlett, Oakland
Bank of Savings Bldg., Oakland.
Contractor—G. B. Hollenbeck, 966 26th, Oakland.
COST, \$4200

(1552) N TAFT AVE 237 W Broadway, Oakland. One-story 5-room dwelling.
Owner—C. H. Hantow, 5455 Manila Ave., Oakland.
Architect—None.
Day's work. COST, \$2500

(1553) NO. 752 HIGH, Oakland. One story frame warehouse.
Owner—J. S. Johnson, Premises.
Architect—None.
Contractor—C. B. Stanley.
COST, \$800

(1554) NO. 905 WEBSTER, Oakland. Repairs.
Owner—Miles Doody, 1518 E-14th, Oakland.
Architect—None.
Contractor—J. F. Shrader, 520 16th, Oakland.
COST, \$465

(1555) W FIFTY-THIRD AVE 31 N E-12th, Oakland. One-story three room dwelling.
Owner—R. E. Reeves, 3324 E-14th, Oakland.
Architect—None.
Contractor—E. D. Bassett, 3229 E-14th, Oakland.
COST, \$790

(1556) E BROADWAY 550 S Mess Ave., Oakland. One-story brick garage.
Owner—Wm. Greuner, 172 Grand Ave. Oakland.
Architect—Clay N. Burrell, 1st Svgs. Bank Bldg., Oakland.
Day's work. COST, \$13,000

(1557) W SEVENTEENTH AVE 100 N E-20th, Oakland. One-story five-room dwelling.
Owner—H. G. Miller, 421 Laganitas, Oakland.
Architect—None.
Contractor—G. H. Scott, 685 23rd, Oakland.
COST, \$3000

(1558) N CALMAR 70 N Mandana, Oakland. Addition.
Owner—Leo J. Dolan, 2259 E-16th, Oakland.
Architect—None.
Day's work. COST, \$400

(1559) LAKESIDE PARK, Oakland. One-story band stand.
Owner—City of Oakland.
Architect—Reed & Corlett, Oakland
Bank of Savings Bldg., Oakland.
Contractor—A. T. Hunt, 474 Perkins, Oakland.
COST, \$12,000

(1560) NO. 76 MONTE VISTA, Oakland. Alterations and additions.
Owner—T. J. McCabe, 5636 Broadway, Oakland.
Architect—None.
Contractor—J. F. Chambers, Plaza Bldg., Oakland.
COST, \$400

(1561) COR. THIRTEENTH AND Washington, Oakland. Alter 1st floor of Physicians Building.
Owner—Roos Bros., Stockton and Market, San Francisco.
Architect—Arthur S. Heineman, 1095 Monadnock Bldg., San Francisco.
Contractor—Jackson Koski Co., 35 Ramona Ave., Oakland.
Filed July 24, '19. Dated July 22, '19.
On 1st and 15th of each month 75%
Usual 35 days. TOTAL COST, \$19,000

Bond, \$9500. Surety, J. F. Carlston.
Limit, Aug. 15. Forfeit, none. Specifications only filed.

(1562) NOS. 1121 AND 1123 VERSAILES Ave., Alameda. Two one-story 5-room dwellings.
Owner—Geo. H. Noble, 2205 Santa Clara Ave., Alameda.
Architect—None.
Day's work. COST, \$2600 each

(1563) NO. 2714 SAN JOSE AVE., Alameda. One-story 5-room dwlg.
Owner—Geo. H. Noble, 2205 Santa Clara Ave., Alameda.
Architect—None.
Day's work. COST, \$3000

(1564) NO. 1327 PARK AVE., Alameda. One-story 6-room dwelling.
Owner—A. Pearson, 1324 Park, Alameda.
Architect—None.
Contractor—L. Swenson, 2242 Encinal Ave., Alameda.
COST, \$3500

(1565) NO. 1109 COURT, Alameda. One-story 6-room dwelling.
Owner—G. Ambrillo, 1121 Court St., Alameda.
Architect—None.
Day's work. COST, \$3000

(1566) NE MOUND AND SAN JOSE Ave., Alameda. One-story 6-room dwelling.
Owner—Alex Espagnoble, Alameda.
Architect—None.
Contractor—Harry C. Knight, 1601 Telegraph Ave., Oakland.
COST, \$3750

(1567) S DELAWARE 140 W Sacramento, Berkeley. Two one-story 5-room dwellings.
Owner—Elizabeth Schuck, 1734 California, Berkeley.
Architect—None.
Contractor—Chas. H. Haws, 1735 Addison, Berkeley.
COST, \$2450 each

(1568) S HOPKINS 80 W Grove Berkeley. One-story 6-room dwlg.
Owner—Roy O. Long, Elks' Club, Berkeley.
Architect—W. L. Broderick, Colusa & Posen, Berkeley.
Contractor—H. P. Sheridan, 2815 Grove, Berkeley.
COST, \$3500

(1569) N LOT 20 BLK "A" Lakewood Park, Piedmont. One and one-half-story frame dwelling.
Owner—N. H. Loyd.
Designer—Wallace Clark.
Contractor—Wallace Clark, 1131 Oakland Ave., Oakland.
COST, \$2500

(1570) NO. 1426 FRANKLIN, Oakland Alterations.
Owner—C. W. Broderick, Premises.
Architect—None.
Contractor—Branch & Coffey.
COST, \$400

(1571) NE SEVENTH AND ADDISON Berkeley, Addition.
Owner—Berkeley Day Nursery, Prem.
Architect—None.
Contractor—E. Tranmal, 854 54th, Oakland.
COST, \$640

(1572) W TWENTY-THIRD AVE 75 S Tenth, Oakland. One-story frame shop.
Owner—J. B. Jensen, 942 23rd Ave., Oakland.
Architect—None.
Contractor—M. Brown, 1922 E14th, Oakland.
COST, \$2000

(1573) NO. 1321 E-EIGHTEENTH, Oakland Alterations.
Owner—Meyer Goldberg, Premises.
Architect—None.
Day's work. COST, \$500

(1574) E PERALTA 1000 N Carmel, Oakland. One-story 4-room dwlg.
Owner—R. G. Davidson, 4020 Peralta Ave., Oakland.
Architect—None.
Day's work. COST, \$400

(1575) S PLYMOUTH 100 W 85th Ave., Oakland. One-story 2-room dwelling.
Owner—C. A. Cushman, Premises.
Architect—None.
Day's work. COST, \$500

(1576) SE THIRTEENTH AND Washington, Oakland Repairs.
Owner—J. & H. Abrahamson, 1444 San Pablo Ave., Oakland.
Architect—None.
Contractor—P. H. Jackson & Co., 237-247 1st, Oakland.
COST, \$500

(1577) NO. 6008 ANBURN, Oakland. Garage.
Owner—M. D. Gemert.
Architect—None.
Contractor—S. G. Rankin, 712 Had-don Road, Oakland.
COST, \$400

(1578) N SANTA RITA 100 W Ran-some, Oakland. One-story 4-room dwelling.
Owner—H. Aronson, 2915 Montana, Oakland.
Architect—None.
Day's work. COST, \$2250

(1579) E MATHEWSON 70 S Ward, Berkeley. One-story 5-room dwlg.
Owner—Chas. A. Werner, 2416 10th, Oakland.
Architect—None.
Day's work. COST, \$1500

(1580) NO. 2834 HILLEGASS AVE., Berkeley, Addition.
Owner—E. T. Nuttall, Premises.
Architect—None.
Contractor—Walter Sorensen, 3219 Ellis, Berkeley.
COST, \$500

(1581) N THOMPSON 41 E 45th Ave., Oakland. One-story 5-room dwelling.

Owner—A. Schönicg, 4535 Thompson, Oakland.
Architect—None.
Day's work. COST, \$1600

(1582) NO. 1722 CASTRO, Oakland. Alterations.
Owner—Welsh Presbyterian Church, Premises.
Architect—None.
Day's work. COST, \$1500

(1583) W LAGUNA 60 N Wilbur, Oakland. One-story 4-room dwlg.
Owner—Geo. C. Holberton, Syndicate Bldg., Oakland.
Architect—None.
Contractor—Chas. C. Williams, Syn-dicate Bldg., Oakland.
COST, \$2500

(1584) W LAGUNA 100 N Wilbur, Oakland. One-story 4-room dwlg.
Owner—Geo. C. Holberton, Syndicate Bldg., Oakland.
Architect—None.
Contractor—Chas. C. Williams, Syn-dicate Bldg., Oakland.
COST, \$2500

(1585) SW WALLACE AND E-25th, Oakland. One-story 4-room dwlg.
Owner—Eugene Voorman, 2504 14th Ave., Oakland.
Architect—None.
Contractor—C. T. Nelson, 920 Clay, Oakland.
COST, \$2800

(1586) NO. 1427 BROADWAY, Oak-land. Repairs.
Owner—Ballard & Anderson, Prem.
Architect—None.
Contractor—Corbett & Bayliss, 1110 Franklin, Oakland.
COST, \$475

(1587) NW NINETEENTH AND SAN Pablo Ave., Oakland. Alterations.
Owner—C. D. Bates, Oakland Bank of Savings Bldg., Oakland.
Architect—None.
Contractor—Jas. H. Pedgrift, 565 16th Oakland.
COST, \$1000

(1588) N HILLSIDE 370 E 90th Ave., Oakland. One-story 5-room dwelling.
Owner—John Niemcewicz, 90th Ave & Hillside, Oakland.
Architect—None.
Day's work. COST, \$2000

(1589) N FORTY-THIRD 160 W Grove, Oakland. One-story 5-room dwelling.
Owner—G. Taylor, 5566 Taft Ave., Oakland.
Architect—None.
Day's work. COST, \$2800

(1590) N FORTY-THIRD 200 W Grove, Oakland. One-story 5-room dwelling.
Owner—G. Taylor, 5566 Taft Ave., Oakland.
Architect—None.
Day's work. COST, \$2800

(1591) NO. 1546 BROADWAY, Oak-land. Alterations.
Owner—H. Lorenzen, 1801 Pleasant Valley Court, Oakland.
Architect—None.
Contractor—S. J. Bertelsen, 667 39th, Oakland.
COST, \$400

(1592) FOOTHILL BLVD., HILLSIDE St., 72nd Ave., Garfield St., and 69th Ave., Oakland. Marble and terrazzo work for two-story and basement office building.

Owner—Chevrolet Motor Co. of Calif. Through Agent P. J. Walker Co., Monadnock Bldg., San Francisco.
Architect—Geo. W. Kelham, Sharon Bldg., San Francisco.
Contractor—American Marble & Mosaic Co., San Francisco.
Filed July 25, '19. Dated June 28, '19. Monthly payments in full for materials and labor

TOTAL COST, \$15,500
Bond, \$7750. Surety, American In-demnity Co. Limit, 30 days. Forfeit, none. Plans and specifications filed.

(1593) ORNAMENTAL IRON AND bronze work on above.
Filed July 25, '19. Dated July 11, '19. Payments same as above.

TOTAL COST, \$1960
Bond, \$980. Surety, National Surety Co. Limit, Aug. 15. Forfeit, none. Plans and specifications filed.

(1594) GLAZING ON ABOVE.
Contractor—W. P. Fuller & Co., Beale and Mission, San Francisco.
Filed July 25, '19. Dated July 11, '19. Payments same as above.

TOTAL COST, \$5600
Bond, \$2800. Surety, Fidelity & De-posit Co. Limit, 6 days after notice to begin. Forfeit, none. Plans and specifications filed.

(1595) PLASTERING ON ABOVE
Contractor—Peter Bradley, San Fran-cisco.

Filed July 25, '19. Dated July 11, '19. Payments same as above.

TOTAL COST, \$5064
Bond, \$2532. Surety, Fidelity & De-posit Co. Limit, 40 days. Forfeit, none. Plans and specifications filed.

PLUMBING WORK

(1596) S FIFTEENTH 125 E Broad-way 25x126, plus ell 13x25, Oakland. Plumbing for one-story and base-ment Class "C" restaurant.

Owner—Realty Syndicate Co., Syndi-cate Bldg., Oakland.
Architect—Hamilton Murdock, Syndi-cate Bldg., Oakland.
Contractor—W. H. Picard, Oakland.
Filed July 25, '19. Dated July 23, '19. Roughed in \$500.00
Completed and accepted \$40.50
Usual 35 days 313.50

TOTAL COST, \$1254.00
Bond, none. Limit, 30 days. Forfeit, none. Plans and specifications filed.

(1517) BRICK WORK ON ABOVE.
Contractor—Wm. J. Bacus, Oakland.
Filed July 25, '19. Dated July 23, '19. Vels up to mezzanine height

\$1426.25
Completed and accepted 1426.00
Usual 35 days 950.75

TOTAL COST, \$3803.00
Bond, none. Limit, 30 days. Forfeit, none. Plans and specifications filed.

FRAME DWELLING

(1598) LOT 7 BLK 1 Grand View Terrace Tract, Berkeley. All work for one-story frame dwelling.

Owner—Dorothy Reints Parsons, Berkeley.
Architect—None.
Contractor—Louis Engler, 2435 Col-

lege Ave., Berkeley.

Filed July 26, '19. Dated July 22, '19.
Frame up 34
Plastered 34
Completed 34
Usual 35 days 34

TOTAL COST, \$3200

Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

COMPLETION NOTICES.

Alameda County.

Recorded Accepted
July 25, 1919—NE SUNNYSIDE AV
100 SE Lake Ave N 103.87 NE
34.71 SE 29.80 SW 127.04 NW
51.60, Piedmont, Ranson F and
Edith L P Beach to Erle Saxton
..... July 24, 1919
July 25, 1919—FOOT MARKET ST.,
Oakland. Howard Co to Healy-
Tibbitts Constr Co July 21, 1919
July 25, 1919—LOT 41 AND 42 BLK
8 and Lots 43 and 44 Blk 8 Map
Auseon Moss Tract, Okd. R J
Pavert Inc to whom it may con-
cern July 25, 1919

LIENS FILED.

Recorded Amount

Alameda County.

July 14, 1919—E GROVE 279.25 N
Ashby Ave N 40x E 122.51, Brly.
Sunset Lumber Co vs Mattie J
French, W O French and J H
Baley \$55.88
July 17, 1919—NW COR. E-FOUR-
teenth and 100th Ave, Okd. J A
Freitas to Ada Simpson and H R
Vail \$367.50
July 18, 1919—W EIGHTY-SECOND
Ave 98.62 S Olive S 40x W 125,
Okd. Sunset Lumber Co vs G H
Ferrel \$483.13

BUILDING CONTRACTS.

San Mateo County.

PTN LOT 5-A MAP 1, Bowie Estate
3.077 acre land, Hillsborough. All
work for plumbing, setting fixtures,
sewer and gas connections for frame
dwelling.
Owner—Mrs. Frank Schwabacher.
Architect—Howard & White, 35 Mont-
gomery St., San Francisco.
Contractor—F. W. Snook & Co., 596
Clay St., San Francisco.
Filed July 9, '19. Dated July 9, '19.
Completed and accepted \$1844.00
Usual 35 days 614.50
TOTAL COST, \$2458.00
Bond, none. Limit, 100 working days
after filing. Forfeit, none. Plans and
specifications filed.
EL CERRITO AVE near Medway Rd,
Hillsborough. All work for one-
story addition to school.
Owner—Hillsborough School District
Architect—Lewis P. Hobart, Crocker
Bldg., San Francisco.
Contractor—R. Caldwell, 152 Ellis-
worth St., San Mateo.
Filed July 9, '19. Dated July 8, '19.
On 15th of each month 75%
TOTAL COST, \$14,173
Bond, \$2975. Surety, Deposited First
National Bank, San Mateo. Limit, 86
working days. Forfeit, \$25. Plans
and specifications filed.

NW MAIN AND DONNELLY AVE.,
Burlingame. All work except elec-
tric work, fixtures and heating for
two-story frame show room and
apartments (Dodge Bros., Motor
Cars).

Owner—H. W. Dessire, Burlingame.
Architect—Lewis P. Hobart, Crocker
Bldg., San Francisco.

Contractor—W. C. Duncan & Co.,
Sharon Bldg., San Francisco.
Filed July 8, '19. Dated June 27, '19.
On 15th of each month 75%

TOTAL COST, \$14,007

Bond, \$7500. Sureties, R. Zelinsky &
H. L. Kaufman. Limit, 100 days after
notified to commence work. Forfeit,
none. Plans and specifications filed.

NE BELLEVUE AVE AND C ST., San
Mateo. Excavating, concrete, brick,
carpenter, mill, plumbing, painting,
sewer, gas fitting, lathing,
plastering, glazing, electric wiring,
hardware and sheet metal work for
one-story frame bungalow.

Owner—A. Guido, San Mateo.

Architect—Will H. Toepke, 942 Market
St., San Francisco.

Contractor—H. C. Lewis, 5842 Mission
St., San Francisco.

Filed July 24, '19. Dated July 22, '19.
Frame up and sheathed \$1184
1st coat plaster on inside and
outside 1184

Plastering completed 1184

Completed and accepted 1184

Usual 35 days 1579

TOTAL COST, \$6315

Bond, \$3150. Surety, Myer Frieleman.
Limit, 100 working days. Forfeit, not
to exceed \$5 per day. Plans and
specifications filed.

DE LAS PULGAS AVE., near Ather-
ton. All work except mantels, elec-
tric fixtures, shades, finish hard-
ware and paint (furnished by own-
er) for two-story, attic and base-
ment frame and hollow tile resi-
dence.

Owner—Cutler Bonestell, Atherton.

Architect—A. D. R. Sullivan, New
York City, N. Y., and August G.
Headman, Supervising, 747-8 Call
Bldg., San Francisco.

Contractor—W. C. Duncan & Co.,
Sharon Bldg., San Francisco.

Filed July 19, '19. Dated July 17, '19.
On 10th of each month 75%
Usual 35 days Balance

TOTAL COST, \$29,942

Bond, \$14,971. Sureties, Richard
Givin and H. L. Kaufman. Limit, 140
working days. Forfeit, not less than
\$5. Plans and specifications filed.

W HIGHLAND AVE 280 S Peninsula
Ave., San Mateo. Excavating, con-
crete, iron, brick, tile, carpenter,
tin and galvanized iron, roofing,
mill, hardware, glass and glazing,
lathing, plastering, painting, elec-
tric wiring, plumbing, etc., for one-
story frame residence.

Owner—A. L. Verneil, San Francisco.

Architect—None.

Contractor—James R. Catherwood,
San Mateo.

Filed July 18, '19. Dated July 17, '19.

Roof on \$1118

Inside plaster completed and
exterior ready for dash 1118

Completed and accepted 1118

Usual 35 days 1369

TOTAL COST, \$4723

Bond, \$2361.50. Surety, Globe Indem-

nity Co. Limit, 60 or 80 working days.
Forfeit, none. Plans and specifica-
tions filed.

BUILDING CONTRACTS.

San Clara County.

LOT 29 of Glen Una Ranch near Los
Gatos. All work for residence and
garage.

Owner—William Ohlandt.

Architect—Milton W. Morrison, 374

30th Ave., San Francisco.

Contractor—Taylor & Jackson.

Filed July 19, '19. Dated June 30, '19.

On 1st of each month 75%

Usual 35 days 25%

TOTAL COST plus 8% not to exceed
\$7600.

Bond, \$3800. Sureties, Chas. J. New-
man and Rob. Vahlman. Limit, 50 days
from July 7. Forfeit, \$10 per day.
Plans and specifications filed.

COMPLETION NOTICES.

San Clara County.

Recorded Accepted

July 22, 1919—CAMPUS OF STAN-

ford University, Palo Alto. Board

of Trustees of Stanford University

to W P Fuller & Co. July 18, 1919

COMPLETION NOTICES.

San Mateo County.

Recorded Accepted

July 22, 1919—SE HAYWARD AVE

and Highway, San Mateo. Annie

Franklin to H C Lewis. July 21, 1919

BUILDING CONTRACTS.

Fresno County.

LOTS 3 AND 4 BLK 2, Buena Vista
Addition, Fresno. Frame dwelling
and garage.

Owner—W. L. Foster, 3081 McKenzie

St., Fresno.

Architect—None.

Day's work. COST, \$2500

LOT 8 BLK 14, Wilson North Fresno

Tract, Fresno. Frame dwelling.

Owner—G. A. Manheim, 1303 Wilson

St., Fresno.

Architect—None.

Contractor—J. O. Kerrick, 861 T St.,

Fresno. COST, \$11,000

LOTS 52, 53 AND 54 BLK 15, North

Park Terrace, Fresno. Two frame

dwellings and garages.

Owner—J. D. Shorb, Fresno.

Architect—None.

Day's work. COST, \$5000 each

LOTS 34 AND 35 Earlbust, Fresno.

Dwelling and garage.

Owner—Wm. Gardner.

Architect—None.

Contractor—G. H. Stivers, 3452

Illinois St., Fresno. COST, \$5000

LOTS 7 AND 8 BLK 5, College Addi-

tion, Fresno. Frame dwelling and

garage.

Owner—J. A. Caples, Fresno

Architect—None. COST, \$4500

Day's work.

LOT 11 AND 12 BLK 25 Belmont Addition, Fresno. Store building.
Owner—Dow & Neil, 1010 Butler St., Fresno.
Architect—None.
Contractor—G. C. Cannon, 1937 Mari-paso St., Fresno.
COST, \$2600

FRESNO GAS WORKS, Fresno. All work for plastering office and meter building.
Owner—Pacific Gas & Electric Co., 1361 J St., Fresno.
Architect—None.
Contractor—Hermann Bosch, 740 Du-hoce Ave., San Francisco.
Filed July 21, '19. Dated July 16, '19.
Completed 75%
Usual 35 days 25%
TOTAL COST, \$2390
Bond, \$1200. Surety, Fidelity & Deposit Co. of Maryland. Limit, 25 days. Forfeit, none. Plans only filed

FRESNO AND A STS. AND VENTURA and I STS., Fresno. All work for two steel service stations.
Owner—Associated Oil Co., Rowell Bldg., Fresno.
Architect—None.
Contractor—G. R. Shannon and O. Frederickson, Cory Bldg., Fresno.
Filed July 21, '19. Dated June 27, '19.
10 days after completion 75%
Usual 35 days, balance 25%
TOTAL COST, \$4054
Bond, \$4054. Surety, Fidelity & Casualty Co. of N. Y. Forfeit, none. Plans and specifications filed.

NO. 1368 FERGER AVE., Fresno. All work for frame dwelling and garage
Owner—Al. Klein, Fresno.
Architect—None.
Contractor—E. H. Horner, Clinton St. near Palm, Fresno.
COST, \$4000

N ONE-THIRD LOTS 1 AND 4 BLK 7, Palm Villa Tract, Fresno. All work for frame dwelling.
Owner—Fresno Home Building Co., 1231 I St., Fresno.
Architect—None.
Contractor—F. J. Stone, 304 Mason Bldg., San Francisco.
Roof on 1/4
Plastered 1/4
Completed 1/4
Usual 35 days 1/4
TOTAL COST, \$4000
Bond, \$2000. Sureties, G. A. Adams and J. A. Venard. Limit, 60 days. Forfeit, none. Plans and specifications filed.

LOT 7 BLK 3, Palm Villa Tract, Fresno. All work for frame dwelling.
Owner—Fresno Home Building Co., 1231 I St., Fresno.
Architect—None.
Contractor—F. J. Stone, 304 Mason Bldg., Fresno.
Filed July 15, '19. Dated
Roof on 1/4
Plastered 1/4
Completed 1/4
Usual 35 days 1/4
TOTAL COST, \$3700
Bond, \$1850. Sureties, J. A. Adams and J. A. Venard. Limit, 60 days. Forfeit, none. Plans and specifications filed.

BUILDING AND ENGINEERING NEWS

NO. 836 S-FOURTH ST., Fresno. Frame dwelling and garage.
Owner—Fresno Home Building Co., 1231 I St., Fresno.
Architect—None.
Contractor—F. J. Stone, 304 Mason Bldg., Fresno.
COST, \$4000

LOTS 29 AND 30 BLK 28, Fresno. Frame dwelling.
Owner—Mrs. Hawkins, Fresno.
Architect—None.
Day's work COST, \$1700

ALTERATIONS
NO. 1034 I ST., Fresno. Alterations.
Owner—L. L. Cory, 412 Cory Bldg., Fresno.
Architect—None.
Contractor—F. J. Stone, 304 Mason Bldg., Fresno.
COST, \$1000

LOTS 21 TO 31 BLK 189, Fresno. Bakery.
Owner—San Joaquin Baking Co., "P" and Santa Fe Sts., Fresno.
Architect—None.
Contractor—R. Peterson Co., Fresno.
COST, \$75,000

LOT 1 Dunbar House, Fresno. Apartment house.
Owner—R. F. Felchin Co.
Architect—None.
Day's work Cost, \$30,000

LOTS 23 AND 24 BLK 80, Fresno. Garage.
Owner—Darbinian Bros., 456 "M" St., Fresno.
Architect—None.
Contractor—Trewitt-Shields Co., 1819 Eldorado St., Fresno.
COST, \$12,000

LOTS 9 AND 10 BLK 7, North Park, Fresno. Frame dwelling and garage.
Owner—J. S. Canham, Shasta St., Cor. El Dorado St., Fresno.
Architect—None.
Contractor—G. H. Stivers, 3452 Illinois St., Fresno.
COST, \$12,000

COMPLETION NOTICES.

Fresno County.

Recorded Amount
July 24, 1919—LOT "C" BLK 4, Alta Vista Tract, Fresno. Alta Vista Homes to whom it may concern July 22, 1919

LIENS FILED.

Fresno County.

Recorded Amount
July 21, 1919—LOTS 20, 21, 22 BLK 54, Fresno. Jas E Harrison vs R H Brumbaugh and E A Cochrane \$180

BUILDING CONTRACTS.

Marin County.

FRAME DWELLING
YOLANDA. Carpenter work, etc., for two-story frame dwelling.
Owner—C. G. Stuhr, Yolanda.
Architect—Edward E. Young, 251

Kearny St., San Francisco.
Contractor—John Casty, 110 Jessie St., San Francisco.
Filed July 21, '19. Dated July 21, '19.
Frame up \$1200
When enclosed 1200
When plastered 1040
When completed 1040
Usual 35 days 1495
TOTAL COST, \$5975
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

RELEASE OF LIENS.

Marin County.

Recorded Amount
July 22, 1919—BUSH TRACT, San Anselmo. Fairfax Lumber Co to Elizabeth Coppia \$732.32

COMPLETION NOTICE.

Marin County.

Recorded Accepted
July 16, 1919—LOT 189 MAP NO. 2, Pacheco Tract, Fairfax. Florence Winsor to whom it may concern July 15, 1919

BUILDING CONTRACTS.

Sacramento County.

NO. 1551 THIRTY-FIFTH ST., Sacramento. Five-room dwelling.
Owner—C. M. Morrissey, Sacramento.
Architect—None.
Contractor—J. Ormand, Sacramento.
COST, \$2800

NO. 1614 W ST., Sacramento. Alter-house.
Owner—Giovanni Copra, Sacramento.
Architect—None.
Contractor—P. Leoni, 1330 V St., Sacramento.
COST, \$1800

NO. 1213 W ST., Sacramento. Alter-dwelling.
Owner—Frank Pinetti, Sacramento.
Architect—None.
Contractor—Peter Leoni, 1330 V St., Sacramento.
COST, \$1800

LOT 5 AND E 60 LOT 6, J. K. 6th and 7th Sts., Sacramento. Alter bldg.
Owner—Claus & Krauss, 1237 38th St., Sacramento.
Architect—None.
Contractor—John L. Siller, 1400 P St., Sacramento.
COST, \$12,273

LOT 1 K, L, 15th and 16th Sts., Sacramento. Alter and add to garage.
Owner—J. S. Gatman and D. S. Wasserman, 2821 T St., Sacramento.
Architect—None.
Contractor—Wm Murcell, 527-8 Ochsen Bldg., Sacramento.
Dated July 8, 1919. 90 days.
COST, \$23,149

W 1/2 LOT 7, J. K. 15th and 16th Sts., Sacramento. Brick garage.
Owner—Peter Newman Co., 1428 K St., Sacramento.
Architect—None.
Contractor—Ed. Book, 2912 G St., Sacramento.
COST, \$10,000

NO. 1416 EIGHTH ST., Sacramento.
Alter basement.
Owner—Mosaic Law Congregation.
Architect—None.
Contractor—G. E. Harvie, 2212 T St.,
Sacramento. COST, \$3450

N 1/2 E 3/4 LOT 4, J. K. 7th and 8th
Sts., Sacramento. Painting, varnish-
ing and interior decorating in bank.
Owner—Peoples Savings Bank, J and
8th Sts., Sacramento.
Architect—None.
Contractor—A. G. Disi.
Dated July 16, 1919 COST, \$2000

NO. 1326-28 P ST., Sacramento. Ad-
ditions and alterations.
Owner—L. F. Black, Sacramento
Architect—None.
Contractor—C. Vanina, 2022 M St.,
Sacramento. COST, \$1843

SACRAMENTO. Alter store front of
brick building.
Owner—The Oaks Co., Sacramento.
Architect—None.
Contractor—Chas. Vanina, 2022 M St.,
Sacramento. COST, \$1950

Architect—A. B. Clark, Res. 4, Cabrillo
Campus, Palo Alto.
Contractor—Kings Elec. Co., 1206
Broadway, Oakland.
Filed July 17, '19. Dated July 10, '19.
On 1st of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, \$4600
Bond, \$2300. Surety, National Surety
Co. of New York. Limit, to be given
later. Forfeit, none. Plans and speci-
fications filed.

HEATING AND VENTILATING SYS-
tems complete on above.
Contractor—L. D. Frazee, 699 36th St.,
Oakland.
Filed July 17, '19. Dated July 15, '19.
Payments same as above.....
TOTAL COST, \$5541
Bond, \$2716. Surety, The Fidelity &
Casualty Co. of New York. Limit, to be
given later. Forfeit, none. Plans
and specifications filed.

NO. 3410 FORTY-THIRD ST., Sacra-
mento. Frame dwelling and gar-
rage.
Owner—E. A. Thiele, Sacramento.
Architect—None.
Day's work. COST, \$1565

LOT 1, L M, 5th and 6th Sts., Sacra-
mento. Garage.
Owner—Mrs. Ida M. Frazier.
Architect—None.
Contractor—G. D. Hudnutt, California
Fruit Bldg., Sacramento. COST, \$16,493

CAMPUS OF STANFORD UNIVER-
sity, Palo Alto. All work for elec-
trical and telephone systems com-
plete.
Owner—Mrs. Lou Henry Hoover,
Stanford University, Palo Alto.

W 30 FEET LOT 7 J, K, 13th and 14th
Sts., Sacramento. Frame public
garage.
Owner—Ferguson Burns Estate, Sacra-
mento.
Architect—None.
Contractor—G. E. Harvie, 2212 T St.,
Sacramento.
Dated July 12, 1919 COST, \$8250

NO. 409 M ST., Sacramento. Fireproof
candy store.
Owner—A. Marino, 415 M St., Sacra-
mento.
Architect—None.
Contractor—C. Vanina, 2022 M St.,
Sacramento. COST, \$3500

NO. 1623 FORTY-FIRST ST., Sacra-
mento. Frame dwelling.
Owner—H. L. Dean, 1931 J St., Sacra-
mento.
Architect—None.
Contractor—R. M. Smith, 2633 30th
St., Sacramento. COST, \$3500

LIENS FILED.

Sacramento County.

Recorded	Amount
July 1, 1919—CHATEAU ON BLK	
"D" Subd 7, North Sacramento.	
John Weston vs G M Julier et al	\$48.19

STATE OF CALIFORNIA. DEPARTMENT OF ENGINEERING. CALIFORNIA HIGHWAY COM- MISSION.

NOTICE TO CONTRACTORS.

SEALED PROPOSALS will be re-
ceived at the office of the California
Highway Commission, 515 Forum
Building, Sacramento, Cal., until 2
o'clock P. M., on August 18, 1919, at
which time they will be publicly
opened and read for the construction
in accordance with the specifications
thereof, to which special reference
is made, portions of State highway as
follows:

Kern County, between Southerly
Boundary and 2.3 miles south of Rose
Station (VI-Ker-4-A), about 10.7 miles
in length to be paved with Portland
Cement Concrete.

Los Angeles County, between Santa
River and Williams Ranch (VII-LA-
23-B), about 1 9-10 miles in length to
be paved with Portland Cement Con-
crete.

Plans may be seen, and forms of
proposals, bonds, contracts and speci-
fications may be obtained at the said
office and they may be seen at the
office of the Division Engineers at
Los Angeles and San Francisco, and at
the office of the Division Engineer of
the division in which the work is
situated. The Division Engineers' of-
fices are located at Willits, Dunsuir,
Sacramento, San Francisco, San Luis
Obispo, Fresno, and Los Angeles.

No bid will be received unless it is
made on a blank form furnished by
the Commission. The special atten-
tion of prospective bidders is called
to the "Notice to Contractors" annexed
to the blank form of proposal, for
full directions as to bidding, quanti-
ties of work to be done, etc.

The Department of Engineering re-
serves the right to reject any or all
bids or to accept the bid deemed for
the best interests of the State.

NEWELL D. DARLINGTON,
CHARLES A. WITMORE,
GEORGE C. MANSFIELD,
California Highway Commission.
AUSTIN B. FLETCHER,
Highway Engineer.
WILSON R. ELLIS,
Secretary (*)

Dated July 21, 1919.

BIDS WANTED FOR 16 BRIDGES.

RED BLUFF, Tehama Co., Cal.—
Bids have been ordered received by
the County Supervisors for the con-
struction of the following bridges:

Brewery Creek, South Fork of Cot-
tonwood Creek, Dry Creek near Al-
ford's Hooker Creek, South Fork of
Reed's Creek near Johnson's Cold
Fork of Cottonwood Creek (Hunter),
Oak Creek near Brophy's, North Fork
of Mill Creek (two bridges), South
Fork of Battle Creek, slough between
Los Molinos and Tehama, Woodson
Avenue, South Fork of Deer Creek
and three bridges on Tehama road.

SCHOOL BIDS WANTED.

FRESNO, Fresno Co., Cal.—Bids
will be received by Architects Swartz
& Swartz, 624 Rowell Bldg., Fresno,
up to August 1st, 3 P. M., for the con-
struction of a frame school building;
two rooms and an auditorium, for the
San Joaquin School District, Fresno
County. H. M. Crooker is Clerk of
the District.

BIDS WANTED FOR NEVADA HIGH- WAY IMPROVEMENT.

NOTICE TO CONTRACTORS.

SEALED PROPOSALS will be re-
ceived by undersigned to 12 o'clock
Noon, August 5, 1919, for construction
of the following sections of the State
Highway System of Nevada:

(1) State Highway from Reno to
Sparks, Washoe County, 0.97 miles.
Approximately 2600 cu. yds. Excava-
tion unclassified; 13,682 sq. yds. Ce-
ment Concrete Paving 6" thick; 5 cu.
yds. Class "B" Concrete; 769 yds. Sta.
Overhaul; 92 lin. ft. 15" Metal Pipe;
42 lin. ft. 24" Metal Pipe; 17 Monu-
ments; 2 Sign Posts. Cement, rock
and sand furnished by State. Time
limit, 120 days.

(2) State Highway from Washoe
Summit to Steamboat Springs,
Washoe County, 4.68 miles. Approx-
imately 18,000 cu. yds. Excavation
unclassified; 41,179 sq. yds. Cement
Concrete Paving 6" thick; 65 cu. yds.
Class "A" Concrete; 32 cu. yds. Class
"B" Concrete; 40 cu. yds. Dry Rub-
ble Masonry; 422 lin. ft. 15" Metal
Pipe; 288 lin. ft. 18" Metal Pipe; 26
lin. ft. 24" Metal Pipe; 38 lin. ft. 30"
Metal Pipe; 30 lin. ft. 36" Metal Pipe;
26 lin. ft. 15" Vitrified Pipe; 120 lin.
ft. Guard Rail; 87 Monuments and 2
Sign Posts. Cement, rock and sand
furnished by State. Time limit, 270
days.

Plans may be examined and forms
of proposals, contract and specifica-
tions secured at office of undersigned
may also be examined at County
Clerk's office in Reno, Nevada. Cash
deposit of \$15.00 with undersigned re-
quired for copy of each of above plans
which will be refunded on their re-
turn in good condition. Bids must be
on proposal form of Highway De-
partment. Right is reserved to re-
ject any or all bids.

C. C. COTTRELL,
State Highway Engineer.
Carson City Nevada.

PROPOSALS FOR WIRE SPIKES AND BALING WIRE.

ENGINEER OFFICE, U. S. Army, 405 Custom House, San Francisco, Cal.—Sealed proposals will be received here until 10:00 A. M., August 1, 1919, and then publicly opened, for Wire Spikes and Baling Wire. Further information on application. Order No. 1856.

PROPOSALS FOR RIP-RAP STONE

ENGINEER OFFICE, U. S. Army, 405 Custom House, San Francisco, Cal.—Alternative sealed proposals will be received here until 10:00 A. M., Aug. 1, 1919, and then publicly opened, for furnishing and delivering rip-rap stone. Further information on application. Order No. 1854.

LUMBER BIDS WANTED.

SEALED BIDS are wanted by the commissioner of Indian Affairs, Washington, D. C., until August 1, 1919, for furnishing lumber for Salem, Oregon.

SCHOOL BONDS.

WILLOWS, Glenn Co., Cal.—The election held to vote bonds of \$20,000 with which to erect a new school in the Ord District failed to carry. It is said that sentiment was unanimous for a new school building, but that the fight was over whether the school should be rebuilt on the present site or on a site which proponents claimed was nearer the center of population.

ANTIOCH, Contra Costa Co., Cal.—Bonds of \$94,000 have been voted here for a new grammar school building.

MARTINEZ, Contra Costa Co., Cal.—Bonds of \$125,000 have been voted here for the construction of a new high school building on South Street.

SANTA ROSA, Sonoma Co., Cal.—The County Supervisors will receive bids up to August 11th for the purchase of the \$33,000 bond issue of the Geyserville School District.

Henry C. Smith, Humboldt Bank Bldg., San Francisco, is the architect.

WINTERS, Yolo Co., Cal.—The Trustees of the Winters School District are planning a bond issue with which to erect a new school building. A one-story concrete structure costing about \$40,000 is planned.

BONDS.

SAN MATEO, San Mateo Co., Cal.—The fire protection bond issue planned by the San Mateo City Trustees has been raised to \$45,000 on recommendation of City Engineer W. C. Hammatt. The money divided as follows:

Box fire alarm system, \$24,000.

Triple combination fire engine, \$13,800.

Moving high pressure pump, \$5,570.

Bonds are to be voted to finance the paving of the following streets:

Peninsular avenue from D to H St.

First avenue from B street to Central grammar school.

Cypress court from Railroad avenue to C street.

Hilltop road from El Camino Real to West Bellevue avenue.

Vancouver avenue in El Cerrito Park.

Laurel avenue, Seventh and Eighth avenues and Ninth avenue between B street and the railroad, all in the Hayward addition.

ROAD BONDS.

MARTINEZ, Contra Costa Co., Cal.—The bond issue held to vote \$2,600,000 to finance construction of a county highway system carried by a vote of 22 to 1.

HIGHWAY BONDS.

SAN DIEGO, Cal.—The County Supervisors have appointed a highway commission to investigate and report on a system of county roads to be paved under a bond issue. It is expected the county will be asked to vote approximately \$2,500,000 bonds. The commission is composed of Col. Ed. Fletcher, Sherwood Wheaton and F. M. White, president of the Benson Lumber Co.

FLORENCE, Ariz.—The Pinal County Highway Commission has decided to ask the county to vote \$1,000,000 bonds for new roads. The Commission plans to spend \$178,000 on the Casa Grande to Florence road, \$164,100 on the road from Casa Grande to Pima County; \$26,000 on the road from Casa Grande to Sacaton, and \$40,000 on the road from Casa Grande to the Papago reservation in addition to other projects.

BONDS FOR WATER SYSTEM.

ARCADIA, Los Angeles Co., Cal.—The proposed \$150,000 water bond issue which will be submitted to the voters on August 5, will provide for sinking a well in the San Gabriel basin, south of Monrovia, constructing about 15 miles of pipe line to the city, constructing two new reservoirs and installing one well pump and two Booster pumps.

TO SURVEY FOR DAM.

MONTGOMERY CREEK, Shasta Co., Cal.—H. E. C. Fusier, chief engineer of the Pitt River Power Company, has started a survey at the mouth of Potein Creek in Pitt River, where the company proposes the construction of

a huge dam. The lower dam planned by the company is to be two miles up stream from Copper City.

PLANS ORDERED FOR SEWER IMPROVEMENT.

SAN BERNARDINO, Cal.—Plans have been ordered for sewers in Mt. Vernon avenue and Mill street to connect with the outfall sewer; in Bell street between Base Line and Thirteenth and in Magnolia between E and F streets. Plans for sewers in Frazier alley between D street and Arrowhead avenue, and in D street between Highland avenue and Frazier alley, were approved.

DIGGING TRENCH AND FILL BIDS WANTED.

GRASS VALLEY, Nevada Co., Cal.—Bids will be received by the City Trustees, C. F. Lobecker, City Clerk, up to August 1st, 8 P. M., for digging about 3,200 feet of trench and filling in same. Further information may be had from the City Clerk.

PAVING PLANNED.

GLENDALE, Los Angeles Co., Cal.—City Engineer H. A. Eddy has been instructed to prepare plans and specifications for 7,400 lineal feet of concrete paving on the Sycamore Canyon road. The pavement will 50 and 56 feet wide and 5 inches thick, with oil and rock screenings surface.

PAVING CONTRACT AWARDED.

LODI, San Joaquin Co., Cal.—The City Trustees have awarded a contract to the Clark & Henery Construction Co. for the paving of Sacramento street from Lockeford street to the northern city limits. Their bid was as follows: Grading, 2 cents per square foot; warrenite paving, 20½ cents per square foot; curbs, 42 cents per linear foot, and gutters, 22½ cents per square foot. Other bids were: The Federal Construction Company placed the following bid: Grading, 2.8 cents per square foot; paving, 22 cents per square foot; curbs, 44 cents per linear foot, and gutters, 22 cents per square foot. Hugh Crumney also placed a bid of 2.8 cents for grading; paving, 23 cents; curbs, 40 cents, and gutters, 27 cents.

PAVING CONTRACT AWARDED.

SAN BERNARDINO, Cal.—R. T. Shea Co., of Riverside, submitted the lowest bid and was awarded the contract at \$54,740 for constructing about 2½ miles of concrete roadway and stone curbs on Hermosa avenue in Improvement District No. 7. A. J. Lineau submitted a bid at \$66,000 and W. C. Cline of Upland, a bid of \$64,000.

STREET WORK CONTRACT AWARDED.

SACRAMENTO, Cal.—The City Commissioners, M. J. Desmond, City Clerk, have awarded a contract to Clark & Henery Construction Co., Ochsner Bldg., Sacramento, for the following work:

Improving Freeport Boulevard, from "Y" street to Second avenue by constructing concrete curb and gutter; concrete sidewalk; 1 concrete man-hole; placing 9 cast iron gutter drains and connecting same to sewer with 6 inch vitrified ironstone sewer pipe; 8 inch vitrified sewer pipe; grading the roadway and constructing a pavement of hydraulic concrete foundation and a bitulithic wearing surface.

Bridge Bids Ordered Received.

EUREKA, Humboldt Co., Cal.—Bids will be received by the County Board of Supervisors up to August 12th, for the construction of three bridges as follows:

The Van Duzen bridge near Dinsmore's, the Korbel bridge and the one at Hyampom crossing. Plans may be had from the County Clerk at Eureka.

SCHOOL BIDS OVER ESTIMATE.

MANTECA, San Joaquin Co., Cal.—Bids received by the Trustees of the Calla School District for the construction of the new school building planned by the District, from plans prepared by Architects Wright & Sala, Bank of Italy Bldg., Stockton, Cal., were all over the estimate. The highest bid submitted was \$19,700 while the lowest was \$18,500. There is \$14,900 available for construction.

It is probable that plans will be revised and new bids called.

DURHAM, Butte Co., Cal.—The Trustees of the Durham School District have rejected all bids submitted for the erection of the new grammar school.

After a few changes are made in the specifications new bids will be called for. W. H. Weeks, 75 Post St., San Francisco, is the architect.

STREET WORK PLANS ORDERED.

SACRAMENTO, Cal.—Acting on the petition of the Sixteenth Street Improvement Club of Sacramento, asking the co-operation of the County Board of Supervisors in the construction of the proposed subway at Sixteenth and "B" streets, the County Board ordered the County Surveyor to prepare plans and specifications for the improvement of Sixteenth street from Auburn Boulevard to the city limits.

ORNAMENTAL LIGHTING SYSTEM PLANNED.

ORANGE, Orange Co., Cal.—The City Trustees have called for plans for an ornamental lighting system on Glassell street and Chapman avenue. About 167 posts will be required.

HIGHWAY BIDS WANTED.

HOLBROOK, Ariz.—Until 2 p. m., August 4, bids will be received by the Navajo County Highway Commission for improving the Holbrook-Winslow road from La Roux Wash to St. Joseph, involving 4.8 miles grader work, 10,500 cubic yards excavation, 7,000 cubic yards gravel surfacing, 75 cubic yards rubble paving, 18 cubic yards rubble masonry and placing 168 linear feet culvert pipe; also for improving two miles of the Dry Lake-Heber road north of the boundary of the Sitgreave National Forest, involving clearing and grubbing five acres, 7,000 cubic yards earth excavation, 200 cubic yards rock excavation, 45 cubic yards rubble paving, 10 cubic yards rubble masonry, 40 cubic yards concrete and placing 50 linear feet 30-inch culvert pipe. W. E. Ferguson, Secretary.

BIDS TO BE CALLED SHORTLY ON ADDITIONAL BARRICKS, ETC., AT SAN DIEGO.

SAN DIEGO, Cal.—Bids will be taken in September on contracts amounting to about \$1,000,000 for constructing an administration building, power house, additional barracks and storage houses, sewer, water and lighting systems for the Marine Brigade post on Dutch Flats, San Diego, according to announcement made by Com. Norman Smith, public works officer for the twelfth naval district, Timken Bldg., San Diego. Plans and specifications for this work are now being completed.

EXCAVATING, GRADING AND FILLING CONTRACT AWARDED.

WASHINGTON, D. C.—The Bureau of Yards and Docks, Navy Department, has awarded a contract to Porter Bros. Co., 524 Railway Exchange Bldg., Portland, Ore., for excavating, grading and filling at the Puget Sound Navy Yard on their bid of \$326,000, work to be completed in 300 days. The work is provided for under Specification No. 3256.

TRESTLE SURFACING BID OPENED

SACRAMENTO, Cal.—At the last meeting of the County Supervisors the Clark & Henery Construction Co., Ochsner Bldg., Sacramento, was the only bidder for the work of placing an asphalt surface on a trestle on the lower Stockton road and on a trestle on the road between Galt and New Hope. The bid was for 28.5 cents per square foot. It was referred to the contract committee.

INFORMAL BIDS ACCEPTED BY S. F. BOARD OF PUBLIC WORKS.

SAN FRANCISCO—The Board of Public Works has accepted the informal offer of the Worthington Co. for the following materials to be used in connection with the Hetch-Hetchy project:

3½"x6" Deane vertical triplex single acting power pump fig. 878; code word X J F. I. D. Cat. D-204, 250 lbs. working pressure at \$492 f. o. b. Los Angeles.

I pr. pulleys fitted to pump shaft and set collar, \$28 f. o. b. Los Angeles

The informal bid of Meese & Gottfried, at \$1182.60 for a Rex elevator chain for the Municipal asphalt plant has also been accepted by the Board.

BRIDGE BIDS WANTED.

SAN DIEGO, San Diego Co., Cal.—Until August 6 bids will be received by the Supervisors of San Diego County for constructing a 200-ft. girder type reinforced concrete bridge at La Costa. The bridge will consist of five 40-ft. spans involving 998 cu. yds. excavation, 579 cu. yds. Class A concrete, 177 cu. yds. Class B concrete, and 40 tons reinforcing steel.

BRIDGE BIDS WANTED.

YUBA CITY, Sutter Co., Cal.—The County Clerk has been instructed to advertise for bids for the construction of a new bridge across Butte Slough where the structure known as the Mawson bridge now stands.

According to the estimate of County Engineer Earl Cope the structure will be 1,500 feet in length and will be of concrete construction.

POWER PLANT PLANS UNDER WAY.

SEATTLE, Wash.—A large 8-bent concrete structure, 120x80 feet in size with full basement will house the new unit of the Lake Union steam plant authorized in a bill passed by the council recently.

The plans of City Architect Daniel Huntington will, when completed, call for a structure adjoining the present building which will have a clearance between the roof girders and the main floor of 35 feet. A large travelling crane now in use in the present unit will enter the new building when completed. The bulk of the wall area will be taken up with metal sash windows.

The council bill provides for the sale of \$1,250,000 in bonds to pay for the new unit, the greater portion of the cost to be spent for machinery and equipment.

STREET WORK BIDS WANTED.
REDDING, Shasta Co., Cal.—Bids will be received by the City Council, Leslie Engram, City Clerk, up to Aug. 11th, 8 P. M., for the following work:

That Market street from Trinity be graded and paved with a 4 inch Portland cement concrete base and a 1½ inch Bitulithic wearing surface; also curbed, guttered and sidewalked on both sides thereof to the official grade.

ROAD WORK BIDS WANTED.

SACRAMENTO, Cal.—Bids have been ordered received by the County Supervisors up to August 11th, 10 A. M., for the improvement of the Jackson road from Perkins to the Concrete highway on the Jackson road. The distance to be paved is 6 miles.

Bids were also ordered received on the same date for a concrete stretch on the Winding Way road from the cement highway to Minnesota avenue in Fair Oaks.

Plans may be had from the County Clerk at Sacramento.

ROAD BIDS REJECTED.

SAN JOSE, Santa Clara Co., Cal.—The County Supervisors have rejected bids received for the improvement of the Bodfish Mill Road in Supervisor District No. 1, bids being received as follows:

Surveyor estimate, Bid A.....	\$ 35,270
Surveyor estimate, Bid B.....	47,470
Surveyor estimate, Bid C.....	82,749
J. W. McDonald, Bid A.....	\$ 54,000
J. W. McDonald, Bid B.....	75,000
J. W. McDonald, Bid C.....	129,000
Bos & O'Brien, Bid A.....	\$ 57,200
Bos & O'Brien, Bid B.....	72,700
Bos & O'Brien, Bid C.....	129,700
W. A. Bechtel, Bid C.....	\$157,500
Raisch Improvement Co., Bid \$ 46,250	
Henry A. Pfister is County Clerk.	

STREET WORK BIDS OPENED.

FRESNO, Fresno Co., Cal.—Bids for the paving of "F" street from Fresno to Merced were received by the City Council as follows:

Thompson Bros., Fresno.....	\$6,040.80
California Road & Improve- Co., Fresno.....	6,045.76
Hugh Crumney, S. F.....	6,165.44
For the Paving of "N" Street and Glenn avenue the following bids were received:	
Thompson Bros., Fresno.....	\$40,949.40
California Road & Improve- ment Co., Fresno.....	40,971.71
Hugh Crumney, S. F.....	41,877.49

RAILROAD WORK PLANNED.

SACRAMENTO, Cal.—A branch of the Southern Pacific Company will be operating through the center of Sutter Basin within sixty days, accord-

ing to word received from the New York offices of the Southern Pacific Company by George Maddock of the Sutter Basin Company.

This railroad is to be approximately eighteen miles long, and will be built as a spur from the Sacramento-Knights Landing-Marysville Southern Pacific Line. It will start at Sacramento Slough, not far from Knights Landing, continue north through the center of District 1500, and end at Tisdale By-pass.

TO COMPLETE YARD WORK AT SAN FRANCISCO HOSPITAL HETCH-HETCHY APPROPRIATION RECOMMENDED.

SAN FRANCISCO.—City Architect John Reid Jr. recommends that the Supervisors be requested to authorize the Board of Public Works to advertise for bids and let contracts for the completion of the yard work of the NE and SE wings of the San Francisco Hospital. Estimated cost, \$20,000.

(Completion and equipment of San Francisco Hospital, \$50,000. Funds have been appropriated in Budget Item No. 69, 1919-20).

City Engineer recommends that the Board of Supervisors be requested to appropriate the sum of \$300,000 out of 1910 water construction bond fund for the prosecution of Hetch-Hetchy work other than by formal contract.

SAN JOAQUIN RIVER PROJECT TO BE SURVEYED.

STOCKTON, Cal.—At the request of Congressman Curry the Board of Army Engineers has directed Colonel Rand to proceed immediately with the survey of the San Joaquin river to Stockton with a view to determining the feasibility of a deep waterway to the ocean.

It is the hope of the war department that the survey can be completed in time to make provisions for the project in the next rivers and harbors bill.

BIG RESORT PLANNED IN TEHAMA COUNTY INCLUDES 400 HOMES.

CORNING, Tehama Co., Cal.—Plans to subdivide and improve the 480-acre Hampton ranch, known as Mineral Springs, at Mineral, are being made by the new owners, W. N. Woodson and Fred G. Beresford of Corning and H. P. Stice of Red Bluff, who have just acquired the place in a deal announced here.

It is planned to erect a large saw-mill and a water and sewer system.

The erection of 400 or more Summer homes, which, with the mineral springs, will make the place a good vacation spot, is also contemplated.

Hire and Operation of Dredging Plant Contract Awarded.

The contract for hiring and operating dredging plant, bids for which were opened by the U. S. Engineer Office at San Francisco on June 12, has been awarded to the Olympian Dredging Co., 249 1st St., San Francisco, at from \$100,000 to \$300,000.

PROSPECTIVE BIDDER FOR MARE ISLAND SHOP BUILDING.

WASHINGTON, D. C.—The Bethlehem Steel Bridge Corporation, Wilkins Bldg., Washington, D. C., has secured plans from the Bureau of Yards and Docks, Navy Department, for the completion of the structural shop at Mare Island, Calif., the estimated cost of which is \$430,000. The work comes under Specification No. 3719.

NEW CONTRACTING FIRM AT NAPA.

NAPA, Cal.—F. A. Younger, for the past two years Manager for the Corlett Planing Mills, has resigned, and with Leslie Brisbin, has gone into the general contracting business. They have established an office in the Napa Bank Building.

STREET WORK PLANNED.

OAKLAND, Cal.—The City Council, L. W. Cummings, City Clerk, has passed a resolution of intention providing for the following work:

That the S half of 16th street, from Adeline to Kirkham streets, be graded curbed with concrete, guttered with brick gutters, 14 inches wide, and paved with an asphalt pavement.

ENGINEER SELECTED FOR SACRAMENTO FILTRATION PLANT

SACRAMENTO, Cal.—Major Charles Gimman Hyde has been selected by Commissioner of Public Works John Q. Brown as Chief Consulting Engineer for the construction of the filtration plant. Brown will present the matter to the City Commission within the next few days.

Bonds of \$1,800,000 have been voted for the proposed work.

CONCRETE HIGHWAY CONTRACT AWARDED.

HERCULES, Contra Costa Co., Cal.—Bates & Borland, 592 Market St., San Francisco and Oakland Bank of Savings Bldg., Oakland, have been awarded the contract for the construction of a concrete highway through the Town of Hercules on their bid of about \$20,000. The work covers a stretch of about ¾ of a mile,

CLEVELAND FIRM TO BUILD GOODYEAR PLANT.

LOS ANGELES, Cal.—W. J. Hunkin, of the Hunkin-Conkey Construction Co. of Cleveland, which will do all the construction work of the Goodyear Rubber Company's manufacturing plant to be established at Ascot Park, has arrived in Los Angeles, and has assumed active charge of construction work. An office has been established at Ascot Park in the old grand stand building and purchases are now being made for machinery and building materials for the new plant. Surveys for the different buildings to comprise the plant are now being made by the company's engineers and construction of the buildings will commence at the earliest date possible.

TO CALL BIDS FOR MARE ISLAND AMMUNITION BUILDINGS.

WASHINGTON, D. C.—Bids will be called by the Bureau of Yards and Docks, Navy Department, Washington, D. C., in the immediate future for the construction of two buildings at the Naval Ammunition Depot at Mare Island, Calif. The buildings come under Specification No. 3991, and will have concrete foundations, footings and floors, tile walls, stuccoed tile partitions, lathing and plaster, wood floors and roof sheathing, built-up roofing of asphalt and slag, galvanized sheet steel gutters, downspouts and skylights, lightning protection, steel sash and doors, steel racks for gyros and torpedoes, steel columns and roof framing, wood doors and interior finish, painting, glazing, hardware, heating, plumbing, wiring, hand-operated crane, with electric hoist and railroad.

BRIDGE CONSTRUCTION URGED.

MODESTO, Stanislaus Co., Cal.—The Stanislaus County Board of Trade, through its Secretary, George T. McCabe, has written the State Highway Commission asking the construction of a temporary bridge over the Stanislaus River at Ripon, pending the completion of permanent repairs to the present structure.

POST EXCHANGE REPAIR CONTRACT AWARDED.

WASHINGTON, D. C.—The Bureau of Yards & Docks, Navy Department, has awarded a contract to Grace & Bernieri, Claus Spreckels Bldg., San Francisco, at \$4,600 for repairs to the Post Exchange at Mare Island, work to be completed in 30 days. The work is provided for under Specification No. 3992. Work is well under way.

S. F. ENGINEER AT WORK ON SHASTA COUNTY PROJECT.

MARTIN, Shasta Co., Cal.—Engineer Fred H. Tibbetts, Alaska Commercial Bldg., San Francisco, has been commissioned by J. W. Forgeus, San Francisco capitalist, to examine and prepare estimates on the construction of an irrigation district for Fall River Valley.

GOVERNMENT DREDGING BIDS WANTED.

U. S. ENGINEERING OFFICE, Honolulu, H. T.—Sealed bids for dredging in Honolulu Harbor will be received at this office until 11 A. M., August 26, 1919, and then opened. Further information on application to this office or to the U. S. Engineer Office, Custom House, San Francisco, Calif.

ROCK FILL WORK PLANNED.

SAN FRANCISCO.—The Board of Public Works has requested the Supervisors to adopt an ordinance authorizing the calling of bids for a rock fill adjacent to the Islais Creek bridge, the work to cost in the neighborhood of \$7,500.

STREET WORK PLANNED.

SANTA ROSA, Sonoma Co., Cal.—At the last meeting of the City Council a resolution was passed that improvements be made on E street, between the south property line of Fourth street, to the north end of the Santa Rosa Creek bridge. This street is to be paved with concrete, three inches in thickness and covered with a layer of pure liquid asphalt.

A motion was carried that notices for bids on the street work to be done on First street and on Stewart street be posted.

PAVING PLANNED.

BAKERSFIELD, Kern Co., Cal.—The City Council has adopted plans and specifications and adopted resolutions of intention to improve the following streets by paving with asphalt concrete and Warrentite surface: Seventeenth St. from A to Q Sts.; Q St. from Truxtun Ave. to Nineteenth St.; Cedar St. from Seventeenth to Eighteenth Sts.; K St. from Fourteenth to Eighteenth Sts.; Twenty-first St. from H to I Sts.; Twenty-second St. from H to L Sts.; Twenty-third St. from H to Chester Ave.; Twenty-fourth St. from H to Chester Ave.; H St. from Twentieth to Twenty-fourth Sts.

PAVING PLANNED.

SAN BERNARDINO, Cal.—The City Council has adopted plans and speci-

fications for the following street work: E street between Ninth and Highland avenue; H street between Eighth and Base Line, and Tenth street between A and B streets, to be paved with 4-inch concrete and ¾-inch oil top; Base Line between Arrowhead and Waterman streets, to be paved with 5-inch concrete on each side of present macadam pavement. Second street will be paved between I and Kennel streets with 4-inch concrete and ¾-inch oil surface and between I and Carter streets with 4-inch Warrentite.

PLANS UNDER WAY FOR RESERVOIR AND POWER PLANT.

OKDALE, Stanislaus Co., Cal.—Plans are being prepared by the Engineering Department of the Calaveras Copper Company for the proposed reservoir and power plant to supply electricity for their plant at Copperopolis. Application has already been made to the State Water Commission for permission to appropriate water.

STREET WORK BONDS SOLD.

PETALUMA, Sonoma Co., Cal.—Bonds of \$80,000 voted for the improvement of Main and Third streets have been sold by the City Council. Bids for the work will be called for shortly.

SHEET METAL SHOP EQUIPMENT BIDS WANTED.

OAKLAND, Cal.—Bids will be received by Dan W. Pratt, Secretary of the Oakland Board of Education, Room 1101, City Hall, up to July 28th, 4:30 P. M., for furnishing certain sheet metal shop equipment.

SELL STEAM ROLLERS.

SANTA CLARA SUPERVISORS TO

SAN JOSE, Santa Clara Co., Cal.—At the last meeting of the County Supervisors, Henry A. Pfister was instructed to advertise for sale two Kelly Springfield steam rollers, sale to take place on Tuesday, September 2, 1919, at 10 o'clock A. M.

BRIDGE AND BULKHEAD PLANS ORDERED.

REDWOOD CITY, San Mateo Co., Cal.—The County Engineer has been instructed to submit a report on the condition of wooden bridges along the Spring Valley (Canyon) Road.

The Engineer was also ordered to prepare plans and specifications for a retaining wall and bulkhead on the La Honda road. Elizabeth M. Nash is County Clerk.

CABINET MAKERS.

Hunter, R. J., expert cabinet maker, 2156 Telegraph Ave.; dealer in mahogany, antique and all kinds of furniture; repairs and polishing; Telephone Oakland 2735.

STATE WATER COMMISSION APPLICATIONS.

Lars R. Jorgensen, San Francisco, 275 cubic feet per second of the waters of the North Fork Yuba River, 25 cubic feet per second from Middle Fork of North Fork, and 50 cubic feet per second from North Fork of North Fork Yuba River, Sierra County, tributary Yuba River, for power purposes. Diversion works consist of concrete arch dam 140 feet high, 400 feet long on top and 100 feet long on bottom, and 2 main canals 13 and 9 miles long, respectively. Application provides for the storage of 80,000 acre feet. Construction work will begin on or before January, 1921, and be completed in January, 1924. Water will be returned to North Fork Yuba River after use. Estimated cost, \$4,000,000. (Allowed six months from May 13th to file maps).

Lars R. Jorgensen, San Francisco, 400 cubic feet per second of the waters of the North Fork of Yuba River, tributary Yuba River, Sierra County, for power purposes. A concrete arch dam 85 feet high, 200 feet long on top and 60 feet long on bottom will be constructed to divert the water into a main conduit 4 miles long. Construction work will begin in January, 1921, and be completed in January, 1924. Estimated cost, \$1,400,000. Water will be returned to North Fork Yuba River after use.

Modesto Irrigation District, Modesto, 600,000 acre feet per annum (storage) or 3,000 cubic feet per second of the waters of the Tuolumne River, Tuolumne County, tributary of San Joaquin River, for (Appl. 1258) agricultural purposes, and (Appl. 1259) power purposes. Water under 1258 will be used for the irrigation of 100,000 acres of land, and under 1259 will be used for pumping, lighting, heating, manufacturing, domestic and all other legal purposes. The storage reservoir will be 283 feet high, 930 feet long on top, 100 feet long on bottom and 20 feet wide on top, with gravity type concrete dam. Estimated cost of proposed works \$3,100,000 for dam and reservoir, and \$1,000,000 for power development. Construction work will begin on or before 1920 and be completed on or before 1924.

J. F. O'Connor, Grass Valley, 500 cubic feet per second of the waters of Canyon Creek and South Yuba River (250 second feet from each stream) with storage of 125,000 acre feet, for agricultural and municipal purposes. Canal to be approximately 100 miles long. Storage dam will be 200 feet high, approximately 800 feet long on top and approximately 400 feet long on bottom.

C. W. Hatch, Modesto, and R. V. Meikle, Turlock, 150 cubic feet per second of the waters of Merced River, tributary of San Joaquin River, for irrigation, domestic and manufacturing purposes. Diversion works consist of pumping plant and concrete lined main canal six miles long. Estimated cost \$250,000. (Allowed 60 days from July 7th to perfect application).

G. F. Rowman, Inverness, 150 second feet of the waters of Mill Creek, 300 second feet from Levering Creek, 50 second feet from Gibbs Canyon, 75

second feet from Walker Creek, 100 second feet from Parker Creek and 500 second feet from Rush Creek, all tributary of Mono Lake, and 100 second feet from Dexter Creek, tributary of Black Lake, all in Mono County, for agricultural purposes. Water will be diverted by means of a canal system consisting of flume, ditch and tunnels 50 miles long, and will be used for the irrigation of 87,000 acres. Application provides for the storage of 500,000 acre feet in years of maximum flow and an average of 250,000 acre feet. (Allowed to December 1, 1919, to file maps.)

F. L. Fehren, San Jose, 500 cubic feet per second of the waters of Yuba River, Yuba County, tributary of Feather River, for the irrigation of 50,000 acres. Main canal to be 40 miles long. Application still incomplete. Applicant requests extension of time.

George Watterson, Bishop, 200 cubic feet per second of the waters of Owens River, Mono County, tributary of Owens Lake, for power purposes. Diversion works consist of concrete dam 30 feet high, 150 feet long on top and 60 feet long on bottom, and main tunnel and pipe lines 5.75 miles long. Estimated cost of diversion works \$3,000,000. Water will be used for the generation of electricity for lighting, heating, pumping, electric-chemical process, etc., and will be returned to Owens River after use.

W. A. Beard, for Iron Canyon Project Association, Marysville, Appl. 1279, 1,000,000 acre feet per annum storage and 2,500 cubic feet per second direct diversion for agricultural purposes on 650,000 acres, from the Sacramento River in Tehama County, in the Sacramento Valley below Iron Canyon in Tehama, Butte, Glenn, Colusa, Sutter, Yolo, Solano, Sacramento, Yuba and Placer Counties, and Appl. 1280, for 10,000 cubic feet per second from the Sacramento River in Tehama County for the generation of hydro-electric power, with storage of 1,000,000 acre feet per annum. (Applications incomplete; applicant allowed 6 months from June 12 to perfect applications).

PANAMA CANAL SUPPLY BIDS WANTED.

PANAMA CIRCULAR 1292—Office of the General Purchasing Officer, Panama Canal, Washington, D. C.—Sealed bids are wanted until August 8, 1919, under circular 1902 for chain hoist, rolled steel, lamp posts, planer knives, panel boards, conduit cable, copper wire, pipe fittings, iron pipe, vitrified pipe, lead pipe, valves, dies and blanks, end mills, fire brick, baggage trucks, air hose, manila rope, chain caning, oxalic acid, metallic brown, carbon bisulphide, caustic soda, chrome green, blue, lampblack, putty, venetian red, shellac, sienna, floor wax, typewriter ribbons, lead pencils, Shannon files, field books, manila containers and paper. For further information address the above office.

PANAMA CIRCULAR 1291—Propo-

sals for steel, pipe fittings, joints, traps, valves, pumps, cleanouts, shackles, blocks, hoists, nails, hinges, latch sets, earlocks, launch lights, cutters, welding goggles, gold leaf, steel wool, artificial leather, strip rubber, drain boards, deck plugs, step-ladders, brushes, index boxes, paper and write zinc—Sealed proposals will be received at the office of the General Purchasing Officer, the Panama Canal, Washington, D. C., until 10:30 o'clock a. m. July 30, 1919, at which time they will be opened in public, for furnishing the above-mentioned material. Blanks and information relating to this circular (1291) may be obtained from this office or the office of the assistant purchasing agent, Fort Mason, San Francisco, Calif.; also from the United States engineer offices in the principal cities throughout the United States. A. L. FLINT, General Purchasing Officer.

TO ERECT CANNING PLANT.

LONG BEACH, Los Angeles Co., Cal.—The Trident Packing Co. has secured a site on channel No. 2, Long Beach harbor, and will erect a fish canning plant. The company is incorporated with \$300,000 capital stock. L. P. Spear, Long Beach, packer; A. W. Ellis of Long Beach, and R. L. Heinsch and C. R. Stanford of Los Angeles, are interested.

BRIDGE PLANS ORDERED.

SAN JOSE, Santa Clara Co., Cal.—The County Supervisors have instructed the County Engineer to prepare plans and specifications for the construction of bridges on the Bodfish Mill Road in Supervisor District No. 1. Henry A. Pfister is County Clerk.

STREET WORK PLANNED.

FRESNO, Fresno Co., Cal.—The City Council has granted the petition of property owners asking for the paving of F street from Merced to Kern street.

Similar action was taken on the petition asking the construction of a sewer in an alley in Grant Avenue Park, Blocks 5 and 6.

FIRE HOSE CONTRACT AWARDED.

MERCED, Merced Co., Cal.—The City Trustees have awarded a contract to Merced Vulcanizing Works for furnishing and delivering 500 feet of 2½ inch hose and 300 feet of 1½ inch hose at \$1.15 per foot for the former and 80 cents per foot for the latter.

Building & Engineering News

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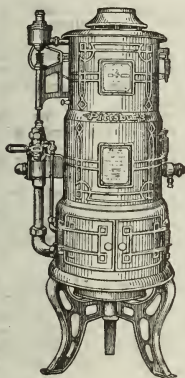
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Among the Architects

Architect P. Righetti, Phelan Bldg., has awarded a contract to G. Trevia, 400 Bay Street, for the erection of a one-story reinforced concrete garage to be erected at the southwest corner of Chestnut and Taylor streets. The building will cost \$22,925.

Architect Wm. E. Milwain, Albany Block, Oakland, has awarded a contract to J. Prout, 2020 Turk St., San Francisco, for the erection of a two-story and basement frame dwelling to be erected in Forest Hill for Lloyd Ackerman. The building will cost \$12,000.

Architect Milwain has also awarded to Prout the contract to erect two two-story frame dwellings in the Forest Hill Tract for Regina Marshall. Each dwelling will cost \$8,500.

The Fresno County Supervisors have taken an option on the Mrs. Ida E. Statham property at the corner of Mariposa and M streets and plan the erection of a \$200,000 library building of concrete and steel construction. The site is 75 by 150 feet. No architect has been selected as yet to prepare plans.

Architects Weeks & Day, Phelan Bldg., have awarded a contract to the K. E. Parker Company for alterations to be made to the MacDonagh Theatre Building in Oakland. The work will cost in the neighborhood of \$80,000.

Architects O'Brien Bros., 240 Montgomery street, are taking figures for the alterations of three flats into apartments for a frame structure in the Western Addition. The work will cost about \$15,000. Plans provide for hardwood floors, electric work, plastering, marble work, etc.

Architects Ward & Blohme, Alaska Commercial Bldg., are preparing plans for an elaborate system of lighting effect to be installed at Tai's at the Beach, and which will include a set of powerful searchlights, the rays of which will reach well out into the ocean.

The same architects are also preparing working drawings for a two-story and basement frame dwelling to be erected on Green street near Divisadero. The building will have a plaster exterior and contain all modern improvements. A garage is also provided for. Cost, not stated.

Architect C. R. Ward, of the same firm, is preparing plans for the Committee of Decorations and Fire work for an elaborate scheme of decorating the 180 electroliters on Market St. for the coming celebration of Womens' Day. It has been planned to include draped flags, cross staff and insignia of the various women's organizations, the materials to be of wood and canvass, elaborately painted. Bids are now being taken by the Committee for the work of which Mr. Ward is one of the members and R. A. Ross, chairman.

Architect C. W. McCall, Central Bank Bldg., Oakland, is taking estimates for altering an office building on California street, this city. For the present we are not at liberty to men-

tion the owner's name, nor the particular building.

Three bids on school ground improvement will be advertised for by the Board of Education of Sacramento City within the next few days.

At a recent meeting a report of City Engineer Frank C. Miller, stating the approximate cost of excavating and grading the school yard at the Washington School, and the cost of adding a three inch layer of decomposed granite to the leveled surface was accepted. Advertisements for bids on the two projects are now being prepared as well as a third one for putting a two inch surfacing of decomposed granite on the East Sacramento School yard.

Director Edward Haynes was authorized to employ some form of heating engineers to make some recommendation on the improvement of the heating plant at the William Land School. The services of the experts for investigation must not exceed \$100. According to a report from the City Engineer, the radiation in the school is not sufficient to heat the building.

Architect Carl Werner, Humboldt Bank Bldg., has awarded to the Onward Investment Co. the contract to build the first unit for the California Memorial Hospital in the foothills at Fruitvale, Alameda County. Ten more units will follow.

Architect Albert J. Fabre, French Bank Bldg., is completing plans for a two-story frame flat building to be erected on Franklin street at a cost of \$12,000. The building will have an exterior finish of brick and cement plaster. Interior finish will be of hardwood and pine. A hot air heating system will be provided for.

Architect Wm. Knowles, Hearst Bldg., is taking segregated figures for a four-story Class "C" office building to be erected in Oakland for the East Bay Water Company. The building will be erected on the north side of 16th street west of Telegraph avenue.

Architect D. J. Patterson, 46 Kearny street, is revising plans for a three-story frame apartment building to be erected on Twelfth avenue near Clement street for Mr. McCaw. The building will contain six four-room apartments and is estimated to cost \$18,000.

Architect F. J. De Longchamps, Reno, Nevada, has completed plans and bids will be called for shortly for the erection of the two-story college of Education planned by the University of Nevada. The building will cover a ground area of 58 by 160 and is estimated to cost \$100,000.

Architect B. G. McDougall, Sheldon Bldg., is taking figures for a one-story frame bungalow to be erected for G. W. McNear at Fernway Farms, Contra Costa County. The building will cost about \$5,000.

Architect Otto W. Janssen, Box 173, Phoenix, Arizona, wants literature of all kinds relating to the building line,

Architects J. E. Kraft & Sons, Phelan Bldg., will shortly take figures for a six-story Class "A" building to be erected on Jackson street near the Embarcadero for the Wellman Peck Company. The structure will cost in the neighborhood of \$75,000 and will contain a garage on the first floor with offices and lofts on the upper floors. The roof will be given over to a roof garden for the employees.

Architect Henry H. Gutterson, 278 Post street, is completing plans for three two-story and basement frame residences to be erected in the St. Francis Wood Tract. The buildings will contain from six to eight rooms each and will cost between \$6,000 and \$9,000.

Architect Gutterson will shortly take figures for a one-story frame bungalow containing five rooms to be erected in St. Francis Wood.

Architects Coates & Traver, Rowell Bldg., Fresno, are preparing plans for a two-story hollow tile residence to be erected in Selma, Fresno County, for S. L. Heisinger. The building will cover a ground area of 45 by 66 feet and will cost \$18,000.

Architect Clarence A. Tantau, Clunie Bldg., will shortly take segregated figures for a two-story and basement frame and brick veneer residence to be erected at the northeast corner of Vallejo and Buchanan streets for B. F. Schlusser. The structure will cost about \$30,000.

September 4th is the date set by the Modesto, Stanislaus County, School Board to decide the question of issuing and selling bonds of \$350,000 with which to finance construction of new schools and repairing the present structures.

If the election carries the money from the sale of the bonds will be used as follows:

\$165,000 for high schools, and \$185,000 for grammar schools.

Additions will be made to the Seventeenth and Sixth street schools and also to the departmental schools, the old high school at Twelfth and L streets.

Architect Bernard J. Joseph, New Call Bldg., will shortly take bids for a five-story and basement reinforced concrete store and apartment building to be erected in Vallejo for Harry Handery. The building will cost \$72,500.

August 11th is the date set for the opening of bids for the construction of the one-story and basement brick grammar school building for the Yreka, Siskiyou County, School District. Plans for the building, estimated to cost \$40,000, were prepared by Architect Henry C. Smith, Humboldt Bank Bldg.

Architect Frederick H. Meyer, Bankers' Investment Bldg., is preparing plans for a three-story and basement frame apartment building to be erected on Pine street near Leavenworth for Louis Shensen. The structure will contain fifteen modern apartments and is estimated to cost \$40,000.

Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities on the Pacific Coast.

Issued Weekly, \$4.00 per year

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500 Mission Street.
Telephone—Design 2572.

HOME INDUSTRY LEAGUE OF CALIFORNIA.

California is fast gaining recognition as a manufacturing center. According to the Home Industry League, everything grown any place in the world is grown in California.

Almost everything manufactured elsewhere is manufactured in California.

The following printed list, just issued, has been compiled by the League for the California Industries and Land Show, to be held at the Exposition Auditorium, October 4 to 19, and gives a fair idea of a small part of the States resources.

To carry out the policy of the Home Industry League, that of upbuilding the State's industry, and under whose auspices the California Industries and Land Show is to be given, gold and silver medals, loving cups and ribbons are offered as awards to the best California products, a partial list of which is here given: Special loving cups to counties, manufacturers and artistic exhibits. Agricultural exhibits for which gold and silver medals are offered, include best displays of alfalfa, barley, garden field and flower seed, hops, white oats in grain and head, potatoes, sweet potatoes and nuts of all varieties.

Agricultural and road making machines are given special notice so are automobile trucks and tractors.

Beverages of all kinds are included, building construction materials, chemicals, citrus fruits, clothing and kindred textiles, confectionery, dairy equipment, dairy products, deciduous fruits, dyes, electrical appliances and fertilizers. Food products which are given much latitude include: baking powder, butter substitutes, canned fruits, canned meats, canned sea

foods, condiments, crackers, biscuits, essences of extracts, bakers' flour, family flour, dried fruits, canned vegetables, cereal preparations, chocolate, coffee, lard, smoked and cured meats, spices, syrups, (table and fruit), teas and dried vegetables.

Furniture, wooden and domestic utilities, hardware, jewelry, leather products, musical instruments, office supplies, oils, olives, paints, pleasure crafts, poultry supplies, pyrotechnics, soups, toilet accessories, toilet preparations, toys and viticultural.

Manufactured goods of which special mention is made in classes, for which gold and silver medals are offered include:—brooms, brushes, ceramics, enamels, cleaning compounds, labels, rope, twine, rubber, shoe dressing and trunks.

All of these grown or manufactured in California in abundance.

LETTERMAN HOSPITAL TAKES MORE QUARTERS.

Because of overcrowded conditions at the Letterman General Hospital at the Presidio, officials at the institution announce that they have arranged with Brigadier-General John McDonald, commandant at the Presidio, to take over all of the buildings in the East Cantonment.

The building, it was announced, will be thoroughly renovated and remodeled for occupation within two weeks.

At the present time more than 1,700 patients are being cared for at Letterman.

The Red Cross through Mrs. Galetta M. Ringe, field directress, announced that they would establish a canteen and hostess house in the new quarters.

EDGAR A. MATHEWS WINS COURT HOUSE COMPETITION.

SANTA BARBARA, Cal.—Prizes were awarded in the architectural competition for the proposed new court house, auditorium and museum for Santa Barbara County, estimated to cost \$420,000 as follows: First, Edgar A. Mathews, San Francisco; second, Wm. Mosser and Horace C. Simpson, Associated, San Francisco; third, Bliss & Faville, San Francisco; fourth, F. E. Brewster, Santa Barbara. The jury consisted of the five county supervisors, Architects J. E. Allison of Los Angeles, and Sylvain Schnaitacher of San Francisco, and Clarence A. Black of Santa Barbara. J. Corbely Pool of Santa Barbara, as advisor.

DESTRUCTION OF DAM CALLED "ACT OF GOD."

SAN BERNARDINO, Cal.—The great flood which occurred January 27, 1916, breaking the Otay dam in San Diego County, caused damages

totaling \$3,685,000 and killed fourteen people, was an "act of God," according to a decision rendered by Superior Court Judge Rex B. Goodcell here, in deciding a test suit in favor of the city of San Diego, owner of the dam. The hearing of the action has been under way eighteen weeks. Total claims filed against the city as a result of the flood are \$1,185,000. Other damage included \$1,500,000 to the city and \$1,000,000 to railroads not included in the litigation.

THREE MILLION FOR IMPROVEMENTS IN YOSEMITE VALLEY.

The sum of \$3,000,000 is to be expended in developing and building up a greater Yosemite valley, constructing hotels, lodges and camping grounds and in providing scheduled tourist trips which will take in all of Yosemite, Tahoe and General Grant and Sequoia parks, according to A. B. C. Dohrmann, President of the Nathan-Dohrmann Co., of San Francisco, who has purchased the Desmond interests.

The federal government will spend \$1,500,000 and the other half will be spent by Dohrmann.

Dohrmann explains he will spend \$1,500,000 in enlarging the Merced lake lodge, in building new hotels in Yosemite and at Tuolumne meadows, and in developing the park until it is a model among national parks for accommodations.

AERIAL MAIL SERVICE ENDORSED BY CHAMBER OF COMMERCE.

The Board of Directors of the Chamber of Commerce at a recent meeting resolved to endorse the establishment by the Government of an Aerial Mail Service between Chicago and San Francisco and to urge upon Congress the enactment of legislation providing the necessary appropriation.

It is felt that if San Francisco manifests a strong enough desire to have this service the prospects for its establishment are favorable.

The Board of Directors also resolved to endorse Senator New's bill, providing for on independent air service, which, if enacted, it is felt will tend to promote the efficiency of the Government Air Service and prevent unnecessary duplication of personnel and material in different departments.

RED BLUFF BANK TO BUILD.

RED BLUFF, Tehama Co., Cal.—The Red Bluff National Bank has purchased a site with a 125-foot frontage at Main and Pine streets and plans the erection of a modern bank building in the near future.

American Association of Engineers

The Technical Engineers' Service Organization.

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NEWS ITEMS.

San Joaquin County Engineers Organize.

STOCKTON, San Joaquin Co., Cal., July 31.—The San Joaquin County Society of Civil Engineers was organized here last night, with L. B. Raab as President. Other officers are:

L. F. Barzellotti, City Engineer at Lodi, Vice-President. Edward B. Budd, Secretary-Treasurer.

HOW SHALL PROPER RECOGNITION OF THE ENGINEERING PROFESSION BE OBTAINED?

By W. W. K. Sparrow,
Chief Engineer, C. M. & St. P. R. R.,
Chicago, Ill.

National Director, A. A. E.

While I understand the question many of us are perhaps most interested in at this time is the economic welfare of the engineer and how to secure more adequate compensation for his services, yet I feel that we should not confine our discussion or energies to this phase of the question only, but should also endeavor to secure greater appreciation and recognition of the profession socially and politically and in the problems of reconstruction with which not only this country but the whole world is today confronted.

The Lack and the Need.

There is a regrettable lack of recognition of the engineering profession, not only in the matter of compensation, but also in the administration of public affairs. As an illustration of this, take the present administration of our great railway systems, the greatest in the world, and largely the handiwork of our profession. It seems to me that if there is one position in the cabinet of the Director General of Railroads which the engineer is peculiarly fitted to fill, it is that of Director of Capital Expenditures. The problem of the development of our railways, their economic requirements in the way of additional facilities and improvements, is certainly largely an engineering one. While this is evidenced by the fact that practically every employee in that department is an engineer, and in every case, the assistant to the Regional Director in charge of capital expenditures is also an engineer, yet we find this important position first

occupied by a lawyer and now by a gentleman who graduated from the traffic department of one of our railroads. The same lack of recognition is found in the representation of the Interstate Commerce Commission, a body charged, among other important duties, with one of the greatest economic and engineering tasks of the day, viz.: the valuation of our railroads and in like manner in the representation of the State Commissions, the National Commission on the development of waterways, and other similar bodies. The lack of recognition is sometimes almost grotesque as, for example, when a few years ago, the Governor of the State of Missouri appointed a lawyer as State Highway Engineer of that State. While in the past few years engineers have received greater recognition, as for example in the appointment by the Federal Government in August, 1915, of the Naval Consulting Board, consisting of two representatives from eleven engineering and scientific societies to co-operate with the Naval Advisory Board for the purpose of obtaining the most advanced experience and thought in technical research and engineering developments; in the important positions of the affairs of our large railroad corporations, in the situation they at present find themselves, and also in the administration of the municipal affairs of some of our large cities in the capacity of City Manager, yet I feel that the profession is far from taking its proper place in the affairs of our nation, states, or cities. I think that this is more marked in the United States than in some other countries, at least that was the impression I gained when I first came to this country. It is certainly true of England and South Africa, where I spent some years of my life. Just about the time I left South Africa, where, by the way, the railroads and harbors are all government owned and operated, it was decided to change from the British system of organization to the American system, and it was interesting to observe that the greater number of the newly created general superintendents and superintendents were drafted from the engineering department. This may have been due, to some extent, to the fact that under the British organization the engineering department has complete charge and supervision of all track and structures, but I think it was also largely attributable to the standing and recognition attained by the engineering profession. I have dealt somewhat at length on what I believe we all recognize—the failure of the engineering profession to take its proper place in the ranks of society and the affairs of our country, not only for the reason that I believe that

with a better understanding and appreciation of the engineer's work on the part of those outside the profession, and the service he renders to our industry, health, comfort, and welfare, would come more liberal compensation, but also because I have lost none of the ideals of the greatness and nobility of the profession and the desire which I am confident you all share, to see it receive at the hands of the general public the recognition and standing which as one of the greatest professions of the world it ought to receive. I believe there will be little or no disagreement with what I have said so far, in fact I think it is a condition of affairs we have recognized for some time, and what we are most interested in is not a discussion of this situation, but how to remedy it.

The Cause and the Remedy.

Mr. Chairman and Gentlemen, I think the training of our profession teaches us the law of Cause and Effect, and that to every action there is an equal and opposite reaction. Consequently, there must be a cause for this lack of recognition and interest in us. Therefore, before prescribing a remedy, we must first ascertain the cause. To me the answer to this question is largely our own lack of interest in affairs outside of our profession, and also to our lack of organization and concerted action. The engineer, as a rule, is diffident and modest; he has stood aloof from and taken little interest or activity in matters of public and political importance, and the activities of our societies and associations have been largely, if not exclusively, confined to technical matters within the profession, and even in these affairs little or no effort has been made to bring to the attention of those outside of the profession the part that it has taken and is taking in the progress of the world. I have stated that as a profession we have taken little interest in other than technical matters, and as an illustration of how the profession suffers as a result of such lack of interest, I would call your attention to the Newlands Bill, introduced in the United States Senate at the first session of the 64th Congress, for the purpose of creating experimental stations in engineering, similar to the experimental stations already inaugurated in agriculture. The introduction of the bill was the result of the awakening which the war produced and which led to fresh and renewed activity among the advocates of federal support for technical and engineering research, which it was felt would greatly assist in the development of all industrial resources. The bill failed, and I am sorry to say that its failure was mainly due to the lack of active interest on the part of engineers and those interested in the

development of our industries.

Another contributory cause is, in my opinion, the absence with few exceptions of State or National regulation in the practice of the profession. In the majority of our states anyone who so desires may start to practice the profession of engineering without let or hindrance. Our profession in this respect is in about the same position as the medical profession was about one hundred years or more ago, when any apothecary could practice medicine, just as any plumber can today practice engineering as a sanitary engineer. Everyone today knows that a doctor must be licensed by the state to practice medicine, and that before he is able to obtain that license he must be properly qualified. In England the social class is, or was, more distinctive than in this country, and there was, and is, unless the war has eliminated it, still a distinct line of separation between classes, and the social class to which he belongs is distinctive of a man's position in life. Before the medical profession was subject to state license and when any "quack" could legally practice medicine, a doctor or "leech," as he was often termed, had little or no social recognition and ranked about the same class as an undertaker. In England today the medical profession has taken its place in society and receives the recognition of all, and the first step in placing it on the plane it now occupies was in requiring everyone who practiced medicine to be licensed to do so by the state.

In South Africa land surveyors, or government land surveyors as they are known there, must be licensed by the state to practice. In transferring or subdividing land the deed or legal document must be accompanied by a plat giving the necessary information in a prescribed manner prepared by a Government land surveyor. The plat and survey must be submitted to the surveyor-generals office, where it is checked and a record made of it. No transfer, subdivision, or plat of land has any legal standing unless the work is done by a government land surveyor and the survey passed through the surveyor-generals office. The qualifications of a government land surveyor are high. He must pass a very rigid theoretical examination, and if successful in that, a practical one. It requires about three years' hard work to qualify. The result is that the Cape government surveyor has regular fees which give him a better return than the average engineer in that country, and his profession, which is only the kindergarten of engineering, has received recognition and standing both in the country and out of it. I have heard it said on more than one occasion, and I believe with truth, that nowhere has the practice of land surveying been brought to the standard of South Africa.

A further cause, I believe, lies in our education, which I think has been too much along technical lines and not enough attention paid to education of a general nature. The result is that the outlook and view of the young engineer leaving college is inclined to be too narrow and technical, and he is often not sufficiently well informed upon or his interest aroused in questions other than those of a

technical nature.

Summarizing what I have said, my views as to the three prime requisites to obtaining greater recognition for the engineer; profession may be stated as follows:

1. Organization.
2. Licensing.
3. Broader education, interest, and activity in other than purely technical matters.

Not Trade Unionism.

A letter, in a recent issue of the News Record, advocated an Engineering Union affiliated with the American Federation of Labor, and I desire to state clearly and beyond possibility of misunderstanding that I am unalterably opposed to any organization along the lines of the labor unions, or perhaps it will be more correct to say to the methods adopted by those unions, as it is not the organizations, but their methods to which I am opposed. The question of organization is receiving the thought and attention of many engineers, and we must be quite clear and definite as to the kind of organization we want.

It would be outside the range of this discussion to enter into an argument upon the merits and demerits of the struggle between labor and capital, but I am convinced that the engineering profession as a whole would never countenance the adoption of methods destructive to our economic welfare. Strikes and lock-outs are economically unsound, and an extensive application of the movement must inevitably lead to economic disaster. No matter what the argument, genuine or specious, made in support of the use of the strike threat, the cumulative result is the undermining and destruction of governmental authority and industrial enterprise. Our profession is constructive, not destructive, and we cannot countenance for a minute the adoption of such methods. There are other objections to the methods of trade unionism, one of which is that it destroys individuality and initiative and tends to reduce the efficient to the level of the inefficient.

Proper Kind of Organization.

It is not, in my judgment, necessary, in order to secure recognition of the qualifications and accomplishments of the engineering profession and readjustment of the compensation paid, so as to be adequate for the services performed in comparison with and in relation to the compensation paid to others, to resort to or adopt the methods of organized labor, and to do so would lower, instead of raise, the standards of the profession. Unity and concerted action are, however, necessary, and what I would like to see brought about would be an organization known as the United States Association of Engineers, similar to the United States Chamber of Commerce, which is the national organization of the business men of America, and which would embrace all branches and existing organizations, civil, mining, electrical, and mechanical. Such an organization would have for the different branches of the profession, its section devoted to technical discussion and research; its section devoted to the promotion of the economic welfare of the engineer; its section devoted to matters of political and public interest, as,

for example, education of public opinion to the advantage and desirability of having engineering representation on public bodies having to deal with questions and problems involving engineering; knowledge and experience, the appointment of engineers to public positions, involving a similar knowledge and experience, the adoption of a National Department of Public Works, and many other similar and important questions. Such an organization, with its supreme or chief executive council made up of representatives of all branches of the engineering profession, would command the attention and respect of the nation.

This may seem to many an impracticable dream, but today when we are dealing with Leagues of Nations, why not a League of the American Engineering Associations and Societies? The framing of such a constitution ought to be simple compared to that of the League of Nations. Nothing, of course, can be accomplished without a start, and as a start we have the American Association of Engineers, the only engineering organization I know of in this country devoted to other than technical matters. Let us develop it and build it up along such lines that it will stand to the engineering profession in the manner that the Chamber of Commerce stands to the business men of America.

I am a railroad man and am speaking, I presume, largely to railroad men, and, of course, that is the branch of the profession which, as railroad men, we are most interested in. At the present time I do not belong to the American Association of Engineers. I have, with the conservatives of the land of my birth, hesitated in joining until I felt quite satisfied that the objects and methods of the Association were along the right lines. I have reached my decision and am going to send in my application for membership this month, and shall urge, not only railroad engineers, but every engineer of my acquaintance, to join the Association and lend a hand. We should not rest in the organization of railroad affairs until we see every railroad in the country with its chapter or division of the American Association, with subdivisions over its entire system, each subdivision to have its own officers, reporting to the chief executive council for that railroad, which in turn would report to the railroad council of the National Association. Let us invite the co-operation of our sister organization, the American Railway Engineering Association, and build up a nucleus of a National Association, embracing all branches of the profession.

National Voice of Engineers.

While urging complete organization of railroad engineers, I do not want anyone to go away with that as the goal in view. A small organization of one section of the profession will not accomplish the desired result. We must have an organization which, when it speaks through its duly elected representatives, will speak for the whole engineering profession of the United States. That voice, gentlemen, will be heard and listened to. We railroad engineers, can, however, set

(Continued on Page 22)

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Chapter Meeting Night, First Thursday Every Month at 7:30 P. M.
Commercial Club, Merchants Exchange Bldg.

Committee Meeting Every Friday, 7:30 P. M. at Chapter Office.

San Francisco Chapter Office, 700 Marston Bldg.

A. G. Mott, Secretary

244 Kearny St., S. F.

ADVANCE NEWS

Official Proposals, Etc.

Contract Awarded.

UNIVERSITY BLDGS. Cost, \$150,000
REDLANDS, San Bernardino Co.,
Calif. University Campus.

Two-story and base, reinforced concrete
Science Hall, 60x120; two-story
and base, reinforced concrete
men's dormitory, 136x40.

Owner—University of Redlands.

Architect—Norman F. Marsh, 211
Broadway Central Bldg., Los Angeles,
Calif.

Contractor—W. C. Cromwell, Chamber
of Commerce Bldg., Los Angeles,
Calif.

Plans Being Prepared.

STORE & OFFICE BLDG.

Cost, \$1,500,000
LOS ANGELES, Los Angeles Co.,
Calif. S. W. 6th and Olive Sts.
Twelve-story Class "A" store and office
Bldg., 100x120.

Owner—A. Phillips and Associates.
Architect—W. J. Dodd and William
Richards, Engineer, Brack-Shops
Bldg., Los Angeles, Calif.

Plans Being Prepared. Ready for
Figures Next Week.

APARTMENTS Cost, \$72,500
VALLEJO, Cal.

Five-story and basement reinforced
concrete stores and apartments.
Owner—Harry Handley.
Architect—B. J. Joseph, New Call
Bldg., San Francisco.

Contract Awarded.

AUTOMOBILE ACCESSORY BLDG.
Cost, \$51,485.
SAN FRANCISCO. SE O'Farrell St.
and Van Ness Avenue.

Two-story and basement reinforced
concrete automobile accessory
building.

Owner—Mr. Steinberger.
Architect—Joseph L. Stewart, 1212
Claus Spreckels Bldg., S. F.
Contractor—Thos. A. Cavanaugh, 180
Jessie St., San Francisco.

Steel work awarded to Gunn Carl
Co. at \$4,489.

Other bidders on the job were as
follows:

Mission Concrete Co.	.....\$31,750
Rountree	.....31,500
Lange & Bergstrom	.....34,984
Unit Constr. Co.	.....37,577
Clinton Constr. Co.	.....35,600
Louis J. Deibel	.....32,687

Plans Being Figured. Bids Close Aug.
11th, 7 P. M.

SCHOOL Cost, \$—
COVINA, Los Angeles Co., Cal. Covina
School District.

Reinforced concrete or hollow tile
school (four class rooms and
assembly hall.)

Owner—Covina City Grammar School
District.

Architect—John C. Austin, Baker-
Detwiler Bldg., Los Angeles.

Plans to be Figured by Wednesday.
CHURCH AND HALL Cost, \$10,000

OAKLAND, Alameda Co., Cal. Grove
Street.

Two-story frame church and hall.
Owner—St. Augustus Mission.
Architect—Chester H. Miller and C. I.
Warnecke, Perry Bldg., Oakland
& New Call Bldg., San Francisco
Plans go out for figures Wednesday

Plans Being Prepared.

QUARTERMASTER COMMISSARY
BLDG. Cost, \$20,000

BENICIA ARSENAL.
Two-story reinforced concrete Quar-
termaster Commissary Building.
Owner—United States Government.
Colonel O'Hern, Commander.
Architects—Miller & Warnecke, Perry
Bldg., Oakland.

Bids will be called for by the gov-
ernment officials.

Work Being Done by Day Labor.

RESIDENCE Cost, \$25,000
FRESNO, Fresno Co., Cal. Kearney
Boulevard.

Two-story frame and plaster resi-
dence (12 rooms and 3 baths).
Owner—Henry Scheidt, Fresno, Cal.
Architect—Eugene Mathewson, Cory
Bldg., Fresno, Cal.

Plans Being Figured.

WOMEN'S BLDG. Cost, \$200,000
EUGENE, Ore.
Three-story brick women's building.
86x276.

Owner—University of Oregon.
Architects—Lawrence & Holford,
Chamber of Commerce Bldg.,
Portland, Ore.

Plans Being Prepared.

AUTO SALES ROOM Cost, \$60,000
FRESNO, Fresno Co., Cal. I and
San Joaquin Streets.

Two-story reinforced concrete auto
sales room, 100x150 feet.
Owner—D. W. De Vaux Motor Car Co.,
Fresno, Cal.

Architects—Coates & Traver, Rowell
Bldg., Fresno, Cal.

Plans Being Prepared.

GARAGE Cost, \$130,000
SEATTLE, Wash. SW Fourth and
Columbia Streets.
Four-story and basement concrete
garage, 120x120.

Owner—Inner Circle Property Co., J.
W. Goodwin, President, 226 Burke
Bldg., Seattle, Wash.
Architect—James Schack, Lippy Bldg
Seattle, Wash.

Contract Awarded.

HOSPITAL. Cost, \$20,000
MANTECA, San Joaquin Co., Cal.,
Yosemite avenue and Sequoia St.
Concrete hospital (117x130 18 rooms)
Owner—Manteca Hospital, Roscoe N.
Gray owner, Manteca, Calif.

Architect—Not given.

Contractor—H. J. Ross.
Equipment will cost \$3,000.

Contract Awarded.

BRICK BUILDING Cost, \$4,500
SAN FRANCISCO. Sacramento St.,
bet. Drumm and Davis.
Two-story brick building.
Owner—H. & W. Pierce, Inc., 723
Montgomery St., San Francisco.

Architect—B. G. McDougall, Sheldon
Bldg., San Francisco.
Contractor—Lindgren & Co., Monad-
nock Bldg., San Francisco.

Plans Being Figured. Bids Close Aug.
11, 1919.

TOWN HALL Cost, \$45,500
ANTIOCH. Third and Fourth Sts.
Two-story and basement concrete
Town Hall.

Owner—Town of Antioch.
Architect—Benj. G. McDougall, Shel-
don Bldg., San Francisco.

Plans Being Prepared.

STORAGE BLDG. Cost, \$—
BENICIA, Solano Co., Cal. Benicia
Arsenal.

One-story frame artillery storage
building, 500x160.
Owner—U. S. Government.
Engineer—Engineering Dept. Benicia
Arsenal.

The curtain walls and end walls
will be of brick.

Plans Being Figured.

APARTMENTS Cost, \$45,000
SAN FRANCISCO. Park-Presidio
District.

Three-story and basement frame
apartment house.
Owner—Benj. Schloss.
Architect—August Headman, New
Call Bldg., San Francisco.

Plans Being Prepared.

PACKING PLANT. Cost, —
SANTA PAULA, Ventura Co., Calif.
One-story hollow tile packing plant
addition (100x100).
Owner—Santa Paula Citrus Ass'n.
Architect—Allison & Allison, Hiber-
nian Bldg., Los Angeles, Calif.

Contract Awarded.

DWELLING AND GARAGE Cost, \$6,000
SANTA ROSA, Sonoma Co., Calif. Rin-
con Valley.

Two-story frame (7 rooms) dwelling
and garage.
Owner—Major Herbert R. Brandon.

Architect—Not given.
Contractor—W. J. Meeker, Santa Rosa,
Calif.

Plans Being Prepared.

CLUB HOUSE. Cost, —
LOS ANGELES, Los Angeles Co., Cal.
La Brea Blvd. near North Temple
street.

One-story frame club house, "L"
shape, each wing 170 feet long,
with assembly room 40x70.

Owner—Wilshire Club.
Architect—Hunt & Burns, Laughlin
Bldg., Los Angeles, Calif.

Plans Being Prepared.
PACKING HOUSE. Cost, \$50,000
SANTA PAULA, Ventura Co., Calif.
 One-story and basement, reinforced concrete packing house (100x80).
 Owner—Mupu Citrus Ass'n.
 Architect—Allison & Allison, Hibernian Bldg., Los Angeles, Calif.

To Be Done by Day Labor.
FLATS. Cost, \$35,000
LOS ANGELES, Los Angeles Co., Calif.
 Ivarado and Elsinore streets.
 Two two-story frame and plaster flat buildings, four flats of six rooms each.
 Owner—Miss Sarah Ibbotson and Miss Sarah McLeod.
 Architect—John J. Frauenfelder, Story Bldg., Los Angeles, Calif.

Work To Be Started Shortly.
BUNGALOWS. Cost, \$5,000 each
MONROVIA, Los Angeles Co., Calif.
 West Lemon, Orange and Magnolia avenues.
 Seventeen one-story frame bungalows (5 and 6 rooms).
 Owner—Chas. Ohlson, 1620 West 20th street, Los Angeles.
 Architect—Harold Bowles, Marsh-Strong Bldg., Los Angeles.

Plans Being Prepared.
RESIDENCE. Cost, \$40,000
SAN MARINO, Los Angeles Co., Calif.
 Huntington Drive.
 Two-story and base hollow tile residence (14 rooms, 4 baths).
 Owner—Dr. Earl Brown.
 Architect—H. H. Hewitt, Van Nuys Bldg., Los Angeles, Calif.

Plans Being Prepared.
SCHOOL. Cost, \$70,000
HEMET, Riverside Co., Calif.
 One-story and basement, reinforced concrete and stucco school (10 classrooms and auditorium, 175x125).
 Owner—Hemet School District (Junior High School).
 Architect—G. Stanley Wilson, Virginia Block, Riverside, Calif.

Plans Being Prepared.
APARTMENTS. Cost, \$40,000
SAN FRANCISCO. Pine Street near Leavenworth Street.
 Three-story and basement frame apartments (15 apts).
 Owner—Louis Shensen.
 Architect—Frederick H. Meyer, Bankers' Invst. Bldg., San Francisco.

Plans Being Figured. Bids Close
SCHOOL. August 11, 1919.
YREKA, Siskiyou Co., Cal.
 One-story and basement brick grammar school.
 Owner—Yreka School District.
 Architect—H. C. Smith, Humboldt Bank Bldg., San Francisco.

Plans Being Figured.
ALTERATIONS. Cost, \$15,000
SAN FRANCISCO. Western Addition
 Alter three flats into apartments (frame).
 Owner—Withheld.
 Architects—O'Brien Bros., 240 Montgomery St., San Francisco.
SPECIFICATIONS
 Floors, hardwood; Marble; Roof, T. & G.; Time clock; Hartford Electric Door Opener,

Contract Awarded.
ADDITION. Cost, \$3,500
PALO ALTO, Santa Clara Co., Cal.
 Runnymede School.
 Addition of room to brick school.
 Owner—Runnymede School District.
 Architect—Norman Coulter, 46 Kearny Street, San Francisco.
 Contractor—J. H. Collins, Palo Alto.

SCHOOL. Cost, \$33,000
GEYSERSVILLE, Sonoma Co., Cal.
 One-story reinforced concrete school.
 Owner—Geysersville School District.
 Architect—H. C. Smith, Humboldt Bk. Bldg., San Francisco.

Plans Being Prepared.
CHURCH. Cost \$36,000
LODI, San Joaquin Co., Calif. Lodi and School streets.
 Fireproof church building and frame parsonage. Building site 120x120.
 Owner—Christian Church of Lodi.
 Benj. Smith, pastor, Lodi, Calif.
 Architect—Not given.
 \$5,000 for parsonage and \$30,000 for construction has already been secured.
 Contract Awarded.
ADDITION. Cost, —
OROVILLE, Butte Co., Calif.
 One-story (Dennison) hollow tile addition to laundry, 26x21.
 Owner—C. F. Huntington, Oroville Steam Laundry, Oroville, Calif.
 Architect—Not given.
 Contractor—A. A. Plagge, Oroville, California.

Contract Awarded.
ADDITION. Cost, \$3800
MODESTO, Stanislaus Co., Cal. SE 9th and "H" Sts.
 One-story brick addition (60x75) for store.
 Owner—Turner Hardware Co., Modesto, Cal.
 Architect—Not given.
 Contractor—George J. Ulrich, Modesto, Cal.

Contract Awarded.
FOUNDRY. Cost, \$3500
MODESTO, Stanislaus Co., Cal. Seventh and D streets.
 One-story frame foundry, 48x80.
 Owner—S. Rodesko, Modesto, Cal.
 Architect—Not given.
 Contractor—George J. Ulrich, Modesto, Cal.

Plans Being Prepared. Grading and Foundation by Day Labor.
RESIDENCE. Cost, —
LOS ANGELES, Cal., Olive Hill.
 One-story hollow tile residence, 17 rooms, 4 baths.
 Owner—Miss Aline Barnsdale, Merritt Bldg., Los Angeles.
 Architect—Walker & Eisen, Hibernian Bldg., Los Angeles.

Plans Prepared.
FACTORY. Cost, —
LOS ANGELES, Cal. Santa Fe avenue and Porter street.
 One-story brick (220x140) factory.
 Owner—Transport Body Co.
 Architect—V. P. Gilbert, Citizens Bank Bldg., Los Angeles.

Plans Being Prepared.
GARAGE. Cost, \$175,000
LOS ANGELES, Cal. SE 11th and Flower.
 Four-story reinforced concrete com-

mercial garage, 100x155.
 Owner—Mrs. Susanna H. Van Nuys, W. P. Herbert, lessee.
 Architect—Morgan, Walls & Morgan, Van Nuys Bldg., Los Angeles.

Plans Nearing Completion.
JAIL. Cost, \$10,000
BAKERSFIELD, Kern Co., Cal. Adjoining City Hall.
 One-story brick City Jail.
 Owner—City of Bakersfield.
 Architect—City Engineer Roy H. Hubbard and Thos. Dupes, Building Inspector.

Contract Awarded.
GARAGE. Cost, \$30,000
PORTLAND, Ore. 11th and Stark Sts.
 One-story brick garage, 50x100.
 Owner—Withheld.
 Architect—F. Manson White, Chamber of Commerce Bldg., Portland.
 Contractor—Zanello Bros., Builders' Exchange, Portland, Ore.

Contract Awarded.
ADDITION. Cost, \$30,000
FRESNO, Fresno Co., Cal. Stanislaus and "I" streets.
 Add of one story for fireproof garage.
 Owner—Everts & Ewing, Giffen-Wolfe Garage.
 Architect—Not given.
 Contractor—Emmett Riggins, Fresno, California.

Contract Awarded.
RESIDENCE. Cost, \$25,000
SANTA BARBARA, Santa Barbara Co., Cal. On the Riviera.
 Two-story concrete residence, 10 rooms, 4 baths.
 Owner—H. L. Hitchcock
 Architect—Carlton M. Winslow, Van Nuys Bldg., Los Angeles, Cal.
 Contractor—C. W. Northrup, Santa Barbara, Cal.

Plans Being Prepared.
SCHOOL. COST, \$40,000
CASHMERE, Wash.
 Two-story brick school, 106x70.
 Owner—Cashmere School District.
 Architect—Stephen & Stephen, New York Block, Seattle, Wash.

Contract Awarded.
THEATRE, ETC. Cost, \$167,000
PENDLETON, Ore. Court and Cottonwood Streets.
 Theatre, lodge rooms, offices and store building.
 Owner—Elks Lodge of Pendleton.
 Architect—A. E. Doyle, Portland, Ore.
 Contractor—Parker & Banfield, Portland, Ore.

Contract Awarded.
RESIDENCE. Cost, \$30,000
TRACY, San Joaquin Co., Cal. On the state highway near Banta.
 One and one-half story ranch residence.
 Owner—Mrs. G. Brichetto.
 Architect—E. B. Brown, Masonic Bldg., Stockton, Cal.
 Contractor—Ira C. Boss, Sacramento.

Contract Awarded.
RESIDENCE. Cost, \$4,700
MODESTO, Stanislaus Co., Cal. 1727 Downey avenue.
 One-story frame residence (6 rooms).
 Owner—Mrs. A. H. Annear, Modesto.
 Architect—Not given.
 Contractor—George J. Ulrich, Modesto, Cal.

Plans Being Prepared. To Be Done by Day Labor.

APARTMENTS. Cost, —
LONG BEACH, Los Angeles Co., Cal.
West First street near Magnolia.
Three-story reinforced concrete or
Hollow tile (45) apartments, 87x
97.

Owner—R. P. Musseter, Long Beach,
California.

Architect—S. R. Frink, 1235 Cedar
avenue, Long Beach.

Plans To Be Prepared.
DEPARTMENT STORE. Cost, —
MODESTO, Stanislaus Co., Cal. Yet
to be selected.

Four or five-story fireproof depart-
ment store.

Owner—Thompson Co., Inc. W. S.
Thompson, President, Modesto,
Cal.

Architect—Not yet selected.

This is a new company recently in-
corporated with a capital stock of
\$250,000. The directors include W.
S. Thompson, W. A. Neil and D. M.
McLean, all of Modesto, and E. J.
O'Brien and A. J. Meade, both of Los
Angeles.

Contract Awarded. Work Started.
MARKET. Cost, \$7,500
MODESTO, Stanislaus Co., Cal. NE
11th and J streets.

One-story hollow tile market, 74x60.
Owner—E. H. Tickle, Modesto, Cal.
Architect—None.

Contractor—Davis-Heller-Pearce Co.,
Modesto, Cal.

Plans Being Figured.
AUTO SALES BLDG. Cost, \$250,000
SAN FRANCISCO. W Van Ness Ave.
bet. Sacramento and California
Streets.

Four-story reinforced concrete auto
sales building.

Owner—L. P. Allen.
Architects—MacDonald & Kahn, Ri-
alto Bldg., San Francisco.

Contractor—MacDonald & Kahn, Ri-
alto Bldg., San Francisco.
Excavation now being done.

Plans Being Prepared.
AUTO SALES ROOM. Cost, \$100,000
SAN FRANCISCO. NW Jackson and
Van Ness Avenue.

Three-story reinforced concrete auto
sales rooms.

Owner—Mrs. Haas.
Architects—MacDonald & Kahn, Ri-
alto Bldg., San Francisco.

Contractor—MacDonald & Kahn, Ri-
alto Bldg., San Francisco.

Plans Being Prepared.
DEPARTMENT STORE. Cost, \$100,000
SACRAMENTO, Cal. "K" Street.

Four-story reinforced concrete de-
partment store building.

Owner—George Gowan.
Architects—MacDonald & Kahn, Ri-
alto Bldg., San Francisco.

Contract Awarded.
FLATS. Cost, \$18,000 each.
LOS ANGELES, Cal. West Adams
street between Monmouth and
Magnolia.

Three two-story frame and plaster
flats (4 flats of 6 rooms and bath
each).

Owner—Jessie D'Arche.
Architect—Not given.
Contractor—Lilly-Fletcher Co., 621
Investment Bldg., Los Angeles.

BUILDING AND ENGINEERING NEWS

Plans Being Prepared.
GARAGE. Cost, \$12,500
SAN FRANCISCO. S line Post 103 E
Hyde Street.
Owner—Kiernan-O'Brien Realty Co.
Architects—Rousseau & Rousseau,
110 Sutter St., San Francisco,
(29057) R

Plans Being Prepared.
FRAME FLATS. Cost, \$11,000
SAN FRANCISCO. Twenty-ninth and
Dolores Streets.

Two-story and basement frame (4)
flats.

Owner—Withheld.
Architect—C. O. Clausen, Hearst Bldg
San Francisco.

Plans Being Prepared.
APARTMENTS. Cost, \$80,000
SAN FRANCISCO. Location withheld
Six-story Class "C" apartment house
(35 apts.)

Owner—Withheld.
Architect—C. O. Clausen, Hearst Bldg
San Francisco.

Plans Being Figured.
AUTO SALES BLDG. Cost, \$110,000
SAN FRANCISCO. NE Sacramento
Street and Van Ness Avenue.

Three-story reinforced concrete auto
sales building.

Owner—Mrs. Herman Walter.
Architects—MacDonald & Kahn, Ri-
alto Bldg., San Francisco.

Plans Being Prepared.
ALTERATIONS. Cost, \$—
SAN FRANCISCO. Maskey Bldg., 46
Kearny Street.

Alterations to fifth floor.

Owner—Mrs. F. Maskey.
Architect—Norman R. Coulter, 46
Kearny St., San Francisco.

Offices on the fifth and sixth floors
will be used for candy factory. Plans
will be ready for figures this coming
week.

Plans Being Prepared.
HALL BLDG. Cost, \$50,000
SALEM, Oregon.
Fireproof (Lausanne) hall building.

Owner—Willamette University, Salem
Architect—Fred A. Legg, Salem.

RESIDENCE. Cost, \$40,000
NEAR VALLEY SPRINGS, Calaveras
Co., Cal.

Two-story hollow tile residence.

Owner—Withheld.
Architect—T. M. Edwards, 833 Market
St., San Francisco.

To replace residence just destroyed
by fire.

Plans Being Prepared.
RESIDENCES. Cost, \$25,000 each
SAN MATEO, Cal.
Two two-story frame residences.

Owners—Withheld.
Architect—T. M. Edwards, 833 Market
St., San Francisco.

Plans Being Prepared.
FRAME RESIDENCE. Cost, \$10,000
SAN MATEO, San Mateo Co., Cal.
One and one-half-story frame resi-
dence.

Owner—Mr. Thompson.
Architect—T. M. Edwards, 833 Market
St., San Francisco.

Plans Being Figured.
HOSPITAL. Cost, \$—
KLAMATH FALLS, Oregon.
Three-story brick hospital, 40x100
(70 rooms).
Owner—Dr. Warren Hunt.
Architect—E. E. McClaran, Lumber
Exchange Bldg., Portland, Ore.

Plans Being Prepared.
CLUB HOUSE. Cost, \$20,000
SALINAS, Monterey Co., Cal.
Two-story frame club house.
Owner—Women's Club of Salinas.
Architect—Jas. A. Magee, 661 Phelan
Bldg., San Francisco.

SCHOOL IMPROVEMENTS PLANNED.

TURLOCK, Stanislaus Co., Cal.—
The School Trustees are contempla-
ting plans and specifications for ad-
ditional buildings on the high school
grounds.

SEWER CONTRACTS AWARDED.
SACRAMENTO, Cal.—The City
Commissioners, M. J. Desmond, City
Clerk, have awarded contracts as fol-
lows. All to J. W. Terrell:

Improving the alley between J and
K Sts. from the east line of 39th to a
point 359 feet east, by excavating a
trench and constructing a vitrified
ironstone pipe sewer with vitrified
ironstone Y branches, concrete man-
hole with castiron curb and cover,
and vitrified ironstone flusher branch,
and improving the alley first east of
Thirty-ninth St., from K St. to a man-
hole to be constructed 176 feet north
of the north line of K St., by exca-
vating a trench and constructing
therein a vitrified ironstone pipe sewer
with vitrified ironstone Y branches,
and vitrified ironstone flusher branch,
and backfilling the trench.

Improving the alley between Y St.
and Burnett Way, from the manhole
in place in 25th St. to the east end
of said alley by excavating a trench and
constructing therein an 8 inch vitri-
fied ironstone pipe sewer with vitri-
fied ironstone Y branches, constructing
concrete manhole with castiron curb
and cover, and backfilling the trench.

Improving the easement owned by
the City of Sacramento through Lots
1, 2, 3, 4, 5, and 6, Urban Court, from
the north line of Lot 2 to the south
line of Lot 6, by excavating a trench
and constructing therein a 6 inch vitri-
fied ironstone pipe sewer with vitri-
fied ironstone Y branches, construct-
ing concrete manhole complete, con-
structing vitrified ironstone flushing
branches complete, and backfilling the
trench.

Improving the alley between J and
K Sts. from the east line of 39th St. to
a point 359 feet east by excavating a
trench and constructing therein a vitri-
fied ironstone pipe sewer with 11 6
inch vitrified ironstone Y branches,
constructing concrete manhole, and
placing vitrified ironstone flusher
branch; and improving the alley first
east of 39th St., from the north line
of K St. to a manhole to be constructed
176 feet north of the north line of K
St. by excavating a trench and con-
structing a vitrified ironstone pipe
sewer with vitrified ironstone Y
branches attached, and placing vitri-
fied ironstone flusher branch, and
backfilling the trench.

CONTRACTS AWARDED

Liens, Acceptances, Etc.

BUILDING CONTRACTS.

San Francisco County.

No.	Owner	Contractor	Amt.
1502	Cohen	Abrahams	1980
1503	Dietlin	Seeger	3000
1504	Shields Est	Berger	4095
1505	Renner	Larsen	2750
1506	Dowd	Dowd	2500
1507	Rose	Booyer	1350
1508	Jones	Jones	5500
1509	Newlands	Taylor	1250
1510	Houston	Johnson	4895
1511	Lewis	Hemminga	1275
1512	Taleri	Ponsero	800
1513	Shattuck	McCormick	600
1514	Ahlorn	Owner	400
1515	Miller	Olsen	750
1516	Archbishop	Leonard	47325
1517	Hagan	Wilson	2325
1518	Stern	Sharman	5163
1519	Kastl	Peterson	450
1520	Rosenbohm	Owner	750
1521	Levy	Wilson	900
1522	Garisino	Trevia	2000
1523	Withington	Owner	14900
1524	Covell	Farquharson	1000
1525	Burke	Farquharson	1200
1526	Cerruti	Trevia	22925
1527	Ackerman	Prout	12000
1528	Marshall	Prout	17000
1529	Wooster	Rednall	1070
1530	Modder	Faun	1200
1531	Sutro	Anderson	8190
1532	Hosmer	Billier	20000
1533	Wynne	Quinn	6500
1534	Stern	Sharman	5163
1535	Bothin	Bothin	4000
1536	Diebert	Mulcahy	3400
1537	Wagner	Wagner	2000
1538	Murphy	Swanson	1400
1539	Keneally	Keneally	1000
1540	Davin	Davin	500
1541	Cannon	Cannon	500
1542	Assoc. Oil	Barrett	4485
1543	Houston	Johnson	4825
1544	Slaz	Marcussen	25550
1545	Dunn	Hansen	10200
1546	Same	Pac Mfg Co	2134
1547	Same	Jones	2845
1548	Same	Am E E Co	990
1549	Same	Atlas	2100
1550	Same	Bosch	2100
1551	Kingwell	Kingwell	7000
1552	Dietrich	Petersen	3750
1553	Cohen	Riley	21479
1554	Miller	Miller	4500
1555	Clark	Thorup	4000
1556	Clayburgh	Lievre	3000
1557	Newlands	Goericke	1250
1558	Anderson	Holmgren	4000
1559	Marty	Marty	2500
1560	Hyman	Hyman	3000
1561	Carroll	Ostlund	1500
1562	Cavallero	Massagli	1500
1563	Neppach	Neppach	2500
1564	Basset	Olsen	1500
1565	Swayne	Watson	1000
1566	Pagano	Pagano	2500
1567	Gilcrest	Gilcrest	1500

Architect—None.

Contractor—H. Abrahams.

Filed July 26, '19. Dated June 13, '19.

Framing up and roof on.....\$500

Roof on, plumbing and wiring and plastering done.....\$500

TOTAL COST, \$1980

Bond, \$1000. Sureties, H. Abrahams and Eva Abrahams. Limit, forfeit, none. Plans and specifications filed.

NOTE:—Payments given as recorded

FRAME RESIDENCE

(1503) S BERNAL AVE 125 W Shotwell. One-story frame residence.

Owner—E. Dietlin, 19 Coso Ave., San Francisco.

Architect—None.

Contractor—R. Seeger, 67 Bernal Ave., San Francisco.

COST, \$3000

SIDEWALK LIGHTS

(1504) NE STOCKTON AND O'FARRELL. New sidewalk lights.

Owner—Shields Estate Co., 68 Post, San Francisco.

Architect—T. Paterson Ross, 310 California, San Francisco.

Contractor—Berger Mfg. Co. of Cal., 1123 Mission, San Francisco.

COST, \$4095

GARAGE

(1505) NO. 1534 CLAY. One-story frame garage.

Owner—Belle M. P. Renner, San Mateo, Calif.

Architect—None.

Contractor—Chris Larsen & Son, 110 Jessie, San Francisco.

COST, \$2750

ALTERATIONS

(1506) W JAWA 100 S Masonic Ave. Raise, alter and add to flats.

Owner—T. J. Dowd, Folsom bet. 21st and 22nd, San Francisco.

Architect—None.

Day's work. COST, \$2500

FRAME STORE

(1517) SW BUSH AND FILLMORE (rear). One-story frame store.

Owner—Joe Rose, 1740 Farnham St., San Francisco.

Architect—None.

Contractor—Booyer & Sons, 2407 California, San Francisco.

COST, \$1350

FRAME FLATS

(1508) S GEARY 82-6 W 23rd Ave. Two-story frame flats.

Owner—Thomas M. Jones, 3814 Army, San Francisco.

Architect—None.

Day's work. COST, \$5500

ALTERATIONS

(1509) SW HUGO AND SIXTH AVE. Minor alterations to apartments.

Owner—Jas. J. Newlands, Mills Bldg., San Francisco.

Architect—None.

Contractor—Taylor & Goericke, Sharon Bldg., San Francisco.

COST, \$1250

FRAME DWELLING

(1510) LOT 6 BLK 3197 Westwood Park. One-story frame dwelling.

Owner—Mary A. Houston, 1214 Polk, San Francisco.

Architect—None.

Contractor—Nels P. Johnson, 223 Louisburg, San Francisco.

COST, \$4895

ALTERATIONS

(1511) SE COLUMBUS AND CHESTNUT. Alter and repair warehouse.

Owner—Lewis Packing Co., Premises.

Architect—None.

Contractor—W. L. Hemminga, 47 Ashbury, San Francisco.

COST, \$1275

ALTERATIONS

(1512) SE BROADWAY & STOCKTON. Alter front.

Owner—G. Taleri, 922 Vallejo, S. F.

Architect—L. Traverso, 854 Union, San Francisco.

Contractor—J. Ponsero, 18 Stark St., San Francisco.

COST, \$850

ADDITION

(1513) NO. 455 SEVENTEENTH AV. Add one room to dwelling.

Owner—Paul Shattuck, Premises.

Architect—None.

Contractor—Thos. McCormick, 25 Gladys, San Francisco.

COST, \$600

BRICK WORK, ETC.

(1514) NO. 125 CLIPPER. Brick and concrete work for garage.

Owner—A. N. Ahlorn, Premises.

Architect—None.

Day's work. COST, \$400

ALTERATIONS

(1515) NO. 219 GRANADA. Raise and alter dwelling.

Owner—F. G. Miller, Premises.

Architect—None.

Contractor—Olaf Olsen, 1214 Stanyan, San Francisco.

COST, \$750

SCHOOL

(1516) E FOURTEENTH AVE 90 S Irving. All work for grading, concrete, carpenter, etc., for Saint Anne's Parochial School.

Owner—The Roman Catholic Archbishop of San Francisco.

Architect—W. D. Shea and H. A. Min-ton, 244 Kearny, San Francisco.

Contractor—J. J. Leonard, 1158 Dolores, San Francisco.

Filed July 29, '19. Dated July 29, '19. On 1st and 15th of each month 75% Usual 35 days..... 25%

TOTAL COST, \$47,325

Bond, \$24,000. Sureties, Thos. McDermott and Timothy Dolly. Limit, Jan. 15, 1920. Forfeit, none. Plans and specifications filed.

ALTERATIONS

(1517) W TWENTY-NINTH AVE 250 N Vicente N 25x120. All work for alterations and additions to frame

ALTERATIONS

(1502) NO. 2512 SAN BRUNO AVE.

Alterations and additions to two-story frame cottage.

Owner—Allec Cohen.

cottage.
Owner—Sarah S. Hagan, 2555 29th Ave., San Francisco.
Architect—None.
Contractor—Wilson & Balbiani, 2530 28th Ave., San Francisco.
Filed July 29, '19. Dated July 23, '19.
Rough work, foundations and rat proofing completed.....\$600
Plastering completed and building enclosed.....600
Completed and accepted.....600
Usual 35 days.....525

TOTAL COST, \$2325

Bond, limit, forfeit, none. Plans and specifications filed.

STORE AND FLAT

(1518) W RAILROAD AVE 200-3 N Salinas N 25-0% W 98-0% S 25 E 97-4% Lot 9 Blk 1 Garden Tract Hd Assn. All work for two-story frame store and flat building.
Owner—Henry Stern.
Architect—None.
Contractor—T. L. Sharman, 621 Arguello Blvd., San Francisco.
Filed July 29, '19. Dated July 28, '19.
Frame up and roof on.....\$1290
Brown coated.....1290
Completed and accepted.....1290
Usual 35 days.....1293

TOTAL COST, \$5163

Bond, \$2600. Sureties, Leon J. Hermitte and Alfred Bothe. Limit, 75 days. Forfeit, none. Plans and specifications filed.

CEMENT WALK, ETC.

(1519) NO. 433 FAIR OAKS. Cement walk, repair floor and stairs.
Owner—M. Kastl, Premises.
Architect—None.
Contractor—W. C. Peterson, 610 Fillmore, San Francisco.
COST, \$450

ADDITION

(1520) NO. 35 POMONA. Add 3 rooms to cottage.
Owner—H. Rosenbohm, Premises.
Architect—None.
Day's work.....COST, \$750

ALTERATIONS

(1521) NO. 2559 TWENTY-NINTH Ave. Raise dwelling for garage.
Owner—Aaron B. Levy, Premises.
Architect—None.
Contractor—Wilson & Balbiani, 2530 28th Ave., San Francisco.
COST, \$900

ALTERATIONS

(1522) NW BAY AND MASON. Minor alterations for store and restaurant.
Owner—Garisino & Co., 400 Bay, S. F.
Architect—None.
Contractor—G. Trevia, 400 Bay St., San Francisco.
COST, \$2000

WAREHOUSE

(1523) NOS. 438-440 SECOND. Four story Class "C" warehouse.
Owner—C. W. Withington, 180 Jessie, San Francisco.
Architect—Lewis M. Gardner, 942 Pine, San Francisco.
Day's work.....COST, \$14,900

ALTERATIONS

(1524) N JACKSON 100 W Scott. New window frames in dwelling.
Owner—Miss I. N. Covell, 2610 Jackson, San Francisco.
Architect—Julia Morgan, Merchants'

Exchange Bldg., San Francisco.
Contractor—D. B. Farquharson, 1760 Ellis, San Francisco.
COST, \$1000

ADDITION

(1525) S JACKSON 137 E Lyon. Add porch for study room.
Owner—Katherine D. Burke, 3056 Jackson, San Francisco.
Architect—Julia Morgan, Merchants' Exchange Bldg., San Francisco.
Contractor—D. B. Farquharson, 1760 Ellis, San Francisco.
COST, \$1200

(1526) SW CHESTNUT & TAYLOR. One-story reinforced concrete garage.

Owner—Edw. Cerruti, 901 Columbus Ave., San Francisco.
Architect—P. Righetti, 668 Phelan Bldg., San Francisco.
Contractor—G. Trevia, 400 Bay, S. F.
COST, \$22,925

FRAME DWELLING

(1527) LOT 3 BLK 22, Forest Hill. Two-story and basement frame dwelling.
Owner—Lloyd Ackerman, Mills Bldg. San Francisco.
Architect—Wm. E. Milwain, Albany Block, Oakland.
Contractor—J. Prout, 2020 Turk St., San Francisco.
COST, \$12,000

FRAME DWELLINGS

(1528) LOTS 10 AND 20 BLK 22, Forest Hill. Two two-story and basement frame dwellings.
Owner—Regina Marshall, Sotilla Ave. Forest Hill, San Francisco.
Architect—Wm. E. Milwain, Albany Block, Oakland.
Contractor—J. Prout, 2020 Turk St., San Francisco.
COST, \$8500 each

ALTERATIONS

(1529) NO. 3001 JACKSON. Alter dwelling.
Owner—Sarah B. Wooster, 509 Montgomery, San Francisco.
Architect—None.
Contractor—W. W. Rednall, 2500 Filbert, San Francisco.
COST, \$1070

ADDITION

(1530) NO. 495 SIXTEENTH AVE. Add two rooms to flats.
Owner—Mrs. W. J. Modder, Premises
Architect—None.
Contractor—Wm. Faun, — 5th Ave., San Francisco.
COST, \$1200

LOFT BUILDING

(1531) SW FOURTH AND WELSH S 175xE 80. All work for two-story brick loft building.
Owner—Clara K. and Adolphine Sutro 1155 Pine, San Francisco.
Architect—Wm. Koenig, 785 Market, San Francisco.
Contractor—Nels Anderson, 180 Jessie, San Francisco.
Filed July 30, '19. Dated July 28, '19.
1st story brick work in place.....\$2047.50
2nd story brick work in place.....2047.50
Completed and accepted.....2047.50
Usual 35 days.....2047.50
TOTAL COST, \$8190.00
Bond, \$4095. Sureties, J. A. Brutcher

and Chas. Stockholm. Limit, 40 days. Forfeit, none. Plans and specifications filed.

ADDITION

(1532) W UTAH 50 S 15th. Four-story brick addition to warehouse.
Owner—Able Hosmer, Foxcroft Bldg., San Francisco.
Architect—E. P. Antonovich, 20 Montgomery, San Francisco.
Contractor—John Biller, 460 Montgomery, San Francisco.
COST, \$20,000

WAREHOUSE

(1533) W CAPP 225 N Seventeenth. One-story brick warehouse, 50x105.
Owner—Wynne Co.
Architect—None.
Contractor—P. P. Quinn, 752 4th Ave. San Francisco.
COST, \$6500

STORE AND FLAT

(1534) W RAILROAD AVE. bet. Paul and Salinas. Two-story frame store and flat, 25x50.
Owner—H. Stern, Railroad Ave near Hollist, San Francisco.
Architect—None.
Contractor—T. L. Sharman, 1440 Shafter Ave., San Francisco.
COST, \$5163

MANUFACTURING BLDG.

(1535) N NATOMA 258-6 W First. Two-story brick or concrete manufacturing building.
Owner—Bothin Real Estate Co., 604 Mission, San Francisco.
Architect—J. A. Ettler, 604 Mission, San Francisco.
Day's work.....COST, \$4000

BRICK SHOP

(1536) N NATOMA 258-6 W First. One-story brick shop.
Owner—L. C. Diebert, 45 Minna, S. F.
Architect—None.
Contractor—Thos. F. Mulcahy, 180 Jessie, San Francisco.
COST, \$3400

ALTERATIONS

(1537) NO. 160 SPEAR. Alter two-story brick building for machine shop.
Owner—Joseph Wagner, 555 9th Ave., for Columbia Machine Works.
Architect—None.
Day's work.....COST, \$2000

ADDITION

(1538) NO. 439 GRAFTON AVE. Add two rooms to dwelling, concrete foundation; cement plaster exterior.
Owner—J. E. Murphy, Premises.
Architect—None.
Contractor—Ernest Swanson, 311 Lowell, San Francisco.
COST, \$1400

ALTERATIONS

(1539) NO. 2131 GREEN. Alter dwelling; into 40 flats.
Owner—Mary E. Kenally, Premises.
Architect—O. E. Evans, 2569 Mission, San Francisco.
Day's work.....COST, \$1000

ADDITION, ETC.

(1540) NO. 536 CHENERY. Move cottage and add one room.
Owner—Michael and Julia Davin, Premises.
Architect—None.
Day's work.....COST, \$500

CONCRETE WORK, ETC.

(1541) N TWENTY-SIXTH 200 E
Diamond. Concrete work, etc., for
dwelling.
Owner—J. J. Cannon.
Architect—None.
Day's work. COST, \$500

SERVICE STATION, ETC.

(1542) INTERSECTION FIFTH AVE
and California and Cornwall. All
work for service station, comfort
station and tool house.
Owner—Associated Oil Co., 55 New
Montgomery, San Francisco.
Architect—Bliss & Faville, 593 Mar-
ket, San Francisco.
Contractor—Barrett & Hilp, Sharon
Bldg., San Francisco.
Filed July 31, '19. Dated July 2, '19.
On completion 75%
Usual 35 days 25%

TOTAL COST, \$4485

Bond, \$4485. Surety, Fidelity & De-
posit Co. of Maryland. Limit, forfeit,
none. Plans and specifications filed.

RESIDENCE

(1543) LOT 6 IN BLK 3117 West-
wood Park. All work for one-story
store and residence building.
Owner—Mary A. Houston, 752 47th
Ave., San Francisco.
Architect—Ida F. McCain, 318 Kearny
San Francisco.

Contractor—Nels P. Johnson.
Filed July 31, '19. Dated July 25, '19.
Enclosed and roof on \$1206.25
Brown coated 1206.25
Completed and accepted 1206.25
Usual 35 days 1206.25

TOTAL COST, \$4825.00

Bond, \$2412.50. Sureties, Carl Sten-
dell and Jos. Johnson. Limit, 90 days.
Forfeit, none. Plans and specifica-
tions filed.

RESIDENCE

(1544) LOT 40, Presidio Terrace.
All work except heating system for
three-story and basement frame
residence.

Owner—Milton H. Salz, 4 Presidio
Terrace, San Francisco.
Architect—Lewis P. Hobart, Crocker
Bldg., San Francisco.
Contractor—Marcus Marcussen.
Filed July 31, '19. Dated July 31, '19.
On 1st and 15th of each month
cost of labor and material.....

TOTAL COST not to exceed \$25,550;
Contractor to receive 10% of cost.
Bond, \$13,000. Sureties, Fred Linde-
man and W. Thompson. Limit, 150
days. Forfeit, none. Plans and speci-
fications filed.

FRAME BUILDING

(1545) N PINE 199-6 W Leaven-
worth 25-2x137-6. Carpentry, paint-
ing, hardware, etc., for three-story
and basement frame building.
Owner—Jas. F. Dunn, Union League
Club, San Francisco.
Architect—J. F. Dunn, Phelan Bldg.,
San Francisco.

Contractor—F. L. Hansen, Inc., 2770
Franklin, San Francisco.
Filed Aug. 1, '19. Dated July 22, '19.
Frame up \$3500
Interior ready for plaster 2500
Completed and accepted 1650
Usual 35 days 2550

TOTAL COST, \$10,200

Bond, \$5100. Sureties, P. M. Wilder
and Ed. T. Belden. Limit, 90 days
after Aug. 1. Forfeit, \$10. Plans and
specifications filed.

(1546) MILL WORK ON ABOVE.

Contractor—Pacific Mfg. Co.
Filed Aug. 1, '19. Dated July 1, '19.
As work progresses 75%
When completed 75%
TOTAL COST, \$2134
Bond, none. Limit, as fast as possible
Forfeit, none. Plans and specifica-
tions filed.

(1547) PLUMBING, SEWERING &
gas fitting on above.

Contractor—James & Drucker.
Filed Aug. 1, '19. Dated July 5, '19.
Roughed in \$1128
Completed and accepted 1000
Usual 35 days 717

TOTAL COST, \$2845

Bond, none. Limit, as fast as possible
Forfeit, \$10. Plans and specifications
filed.

(1548) ELECTRICAL WIRING AND
telephones on above.

Contractor—American Electrical En-
gineering Company.
Filed Aug. 1, '19. Dated July 23, '19.
Roughed in \$495.00
Completed 247.50
Usual 35 days 247.50

TOTAL COST, \$990.00

Bond, none. Limit, as fast as possible
Forfeit, \$10. Plans and specifications
filed.

(1549) STEAM HEATING, SHEET
metal and flues on above.

Contractor—Atlas Heating & Venti-
lating Co.
Filed Aug. 1, '19. Dated July 21, '19.
Roughed in \$767
Completed 192
Usual 35 days 322

TOTAL COST, \$1281

Bond, none. Limit, as fast as possible.
Forfeit, none. Plans and specifica-
tions filed.

(1550) LATHING & PLASTERING
on above.

Contractor—Leonard Bosch.
Filed Aug. 1, '19. Dated June 15, '19.
Brown coated \$1400
Finished and accepted 600
Plastering done 100

TOTAL COST, \$2100

Bond, none. Limit, as fast as possible.
Forfeit, \$10. Plans and specifications
filed.

BUNGALOW AND GARAGE

(1551) LOT 26 BLK 3163, Westwood
Park. All work for one-story frame
bungalow and garage.
Owner—Katherine C. Kingwell, 401
Butler Bldg., San Francisco.
Architect—Chas. F. Strothoff, 2276
15th, San Francisco.

Contractor—John J. Kingwell, Butler
Bldg., San Francisco.
Filed Aug. 1, '19. Dated July 31, '19.
Enclosed and roof on \$1750
Brown coated 1750
Completed and accepted 1750
Usual 35 days 1750

TOTAL COST, \$7000

Bond, \$3500. Surety, Chas. A. King-
well. Limit, 90 days. Forfeit, none.
Plans and specifications filed.

STORE AND RESIDENCE

(1552) N SUTTER 20-7 3/4 E Taylor
E 21 N 81-8 W 21-3 3/4 S 81-8. Con-
crete work, etc., for three-story re-
inforced concrete store and resi-
dence.
Owner—E. C. and Gus Dietrich.
Architect—L. F. Hyde.

Contractor—H. L. Petersen, 62 Post,
San Francisco.

Filed Aug. 1, '19. Dated July 31, '19.
Foundation and 1st story done
and concrete poured and framing
lumber and anchors set \$937.50
Balance of forms and fire walls
finished and concrete poured and
roof framed 937.50
Completed and accepted 937.50
Usual 35 days 937.50

TOTAL COST, \$3750.00

Bond, \$1875. Surety, New Amsterdam
Casualty Co. Limit, Oct. 1, 1919. For-
feit, none. Plans and specifications
filed.

ADDITION

(1553) E MISSION 220 S Sixteenth.
Two-story addition for furniture
store.

Owner—A. Cohen, 2047 Mission St.,
San Francisco.
Architect—S. Heiman, 57 Post St.,
San Francisco.
Contractor—Frank Riley, 752 4th
Ave., San Francisco.
COST, \$21,479

FRAME DWELLING

(1554) E NINETEENTH AVE 225 S
Balboa. One-story and basement
frame dwelling.
Owner—W. A. Miller & Co., 743 5th
Ave., San Francisco.
Architect—None.
Day's work. COST, \$4500

FRAME DWELLING

(1555) W TWENTY-FIFTH AVE 275
S California. Two-story and base-
ment frame dwelling.
Owner—Mrs. Maude B. Clark, 348
25th Ave., San Francisco.
Architect—J. H. Thorup, 690 24th
Ave., San Francisco.
Contractor—J. H. Thorup.
COST, \$4000

ALTERATIONS

(1556) NO. 121 GEARY. Alter 19
fitting rooms on 2nd floor.
Owner—Leon Clayburgh (Reich &
Lievre), 126 Post, S. F.
Architect—A. G. Hall, 125 Geary, S. F.
Day's work. COST, \$3000

ALTERATIONS

(1557) SW HUGO AND SIXTH AVE
Minor alterations to apartments.
Owner—James Newlands, Mills Bldg.,
San Francisco.
Architect—None.
Contractor—Taylor & Goerick,
Sharon Bldg., San Francisco.
COST, \$1250

DWELLING

(1558) E TWENTY-FIRST AVE 190
S Balboa. Two-story frame dwlg.
Owner—O. A. Anderson, Care Con-
tractor.
Architect—C. O. Clausen, Hearst
Bldg., San Francisco.
Contractor—Karl Holmgren, 5508
California, San Francisco.
COST, \$4000

ALTERATIONS

(1559) NO. 1336 ELLIS. Alter rooms
Owner—Joseph Marty, Premises.
Architect—Rousseau & Rousseau, 110
Sutter, San Francisco.
Day's work. COST, \$2500

FRAME DWELLING

(1560) E FIFTEENTH AVE 75 S
Cabrillo. One-story and basement

frame dwelling.
Owner—Oscar Heyman & Bro., 742
Market, San Francisco.
Architect—None.
Day's work. COST, \$3000

ALTERATIONS
(1561) NO. 764 MARKET. Alter
store.
Owner—Paul T. Carroll, 708 Market,
San Francisco.
Architect—C. E. Gottschalk, Phelan
Bldg., San Francisco.
Contractor—Ostlund & Johnson.
COST, \$1500

ADDITION
(1562) E MASONIC AVE 65 S Geary
Add one-story to dwelling.
Owner—B. Cavallero, 8 Masonic Ave.,
San Francisco.
Architect—None.
Contractor—Albert Massagli, 147
Parker Ave., San Francisco.
COST, \$1500

FRAME DWELLING
(1563) S JUDAH 57-6 W 13th Ave.
One-story and basement frame
dwelling.
Owner—Mrs. J. M. Neppach, 825 Mo-
nadnock Bldg., San Francisco.
Architect—J. C. Hladik, 825 Monad-
nock Bldg., San Francisco.
Day's work. COST, \$2500

GARAGE
(1564) NO. 1790 OCEAN AVE. One-
story concrete garage.
Owner—W. M. Basset, 1790 Ocean
Ave., San Francisco.
Architect—None.
Contractor—Olaf Olsen, 1214 Stanyan
San Francisco.
COST, \$1500

ALTERATIONS
(1565) NOS. 179-181 THIRD. Alter
two stores into one.
Owner—R. Swayne.
Architect—None.
Contractor—Daniel Watson, 39 St.
Anne, San Francisco.
COST, \$1000

ADDITION, ETC.
(1566) S UNION 25 E Buchanan.
Raise; add 12' for flats and alter
store into apartment.
Owner—G. Pagano, Care Architect.
Architect—E. E. Young, 251 Kearny,
San Francisco.
Day's work. COST, \$2500

ALTERATIONS
(1567) TENTH AVE near "N." Add
two rooms to residence.
Owner—A. Gilcrest, 515 Mission, San
Francisco.
Architect—None.
Day's work. COST, \$1500
Concrete and grading awarded to a
Mr. Brown in Sunset District.

LEASE.

San Francisco County.

July 28, 1919—NW MARKET 113-11
NE 14th NE 50 NW 100 W 64-3 m
or 1 S 127-24 NE 35-4. Thos D
Quigley to Gustave Janson. July
19, 1919 to July 19, 1924. \$130 per
month.
July 29, 1919—NO. 2397 MISSION NE
Cor. 20th. S Pulfer to Biagio Papa

52 months. \$1120.
July 29, 1919—N EDDY 137-6 E Jones
E 37-6XN 137-6. Christy A Mc-
Collam et al to Arcadia Amuse-
ment Co. 6 years 1 month. \$10,950

July 30, 1919—NW TWENTY-FIFTH
and Castro. Home Invest Co to Ada
S Buck. 5 years. \$21,000.
July 30, 1919—E VAN NESS AVE 25-6
S Ellis S 44-5 1/2 E 137-6 N 70-6 W
27-6 S 25-6 1/2 W 109. Sterling An-
derson and O E Jones to Edw H
Houtz. 5 years. \$305 per month.

RELEASE OF BLDG. CONTRACT.

San Francisco County.

July 29, 1919—FOURTEENTH AVE
near Irving. The Roman Catholic
Archbishop of S. F. with J J
Leonard.

COMPLETION NOTICES.

San Francisco County.

RECORDED **ACCEPTED**
July 26, 1919—N POST 77 E Laguna
E 25-10XN 90. Alice Swanton to
J M Johnson. July 21, 1919
July 26, 1919—E ROUSSEAU 75 S
Bosworth S 25X E 120. Fred A
McCormack to Mark C Ingraham
July 26, 1919
July 29, 1919—SW COLUMBUS AVE
and Adler. C H and Mary Vitalini
to Trevia & Pasqualetti.
July 28, 1919
July 29, 1919—NE SIXTEENTH AV
and Anza. Chas A Johnson to
whom it may concern. July 29, 1919
July 28, 1919—E TWENTY-SIXTH
AVE 205 N Balboa N 25X E 120.
Thos Skelly to whom it may concern.
July 25, 1919
July 28, 1919—W JONES 102-8 N
Sutter N 35XW 81-6. James Welsh
to James Welsh & Co. July 28, 1919
July 28, 1919—NO. 663 MISSION.
Mary A Grant to Spencer Eleva-
tor Co. July 22, 1919
July 30, 1919—W NEWCOMB AVE
275 S from E Mendell 25X100. An-
tonin and Minnie Lajannette to
whom it may concern. July 30, 1919
July 30, 1919—W THIRD AVE NW
Parnassus Ave N 84-4 W 107-6 S
115-8 NE 112 m or l. MacDonald
& Kahn to whom it may concern.
July 28, 1919
July 30, 1919—PTN LOTS 25 AND
26 Blk 3174. Hilding Anderson
to Anderson & Johnson. July 29, '19
July 30, 1919—E TWENTY-EIGHTH
AVE 355 N California N 25X E 120.
Harry B Allen to whom it may
concern. July 30, 1919
July 30, 1919—E TWENTY-EIGHTH
AVE 380 N California N 25X E 120.
Harry B Allen to whom it may
concern. July 30, 1919
July 30, 1919—E 27TH AVE 150 S
Anza S 25X E 120. Jacob H
Thorup to whom it may concern.
July 29, 1919
July 31, 1919—E FIFTEENTH AVE
150 N Fulton N 25X120. Adelaide
D Geinzer to Emil Nelson.
July 15, 1919

BUILDING CONTRACTS

Alameda County.

The following is an index for the
contracts for this issue:

No.	Owner	Contractor	Am't.
1599	Rule	Birmingham	2000
1600	Denbigh	Hendrickson	2000
1601	Bischoff	Bischoff	3500
1602	Woodburn	Woodburn	3000
1603	Noble	Noble	2750
1604	Pacific Steel	Muller	24000
1605	Leasure	Young	3000
1606	Marshall	Owner	2500
1607	Zetterblad	Owner	2500
1608	Alder	Alder	2000
1609	Christensen	Owner	2350
1610	Burr	Yager	500
1611	Anderson	Frostholm	928
1612	Meads	Nelson	10969
1613	Helmere	Bryson	400
1614	Vaughn	Owner	990
1615	Smith	Schwalm	850
1616	Gregory	Peterson	6700
1617	Hollister	Williams	1500
1618	Schoefer	Mathews	11500
1619	De Vaux	Knight	4500
1620	Henshaw	Parker	80800
1621	Hampton	Mervy	9900
1622	Jalln	Lindstrom	500
1623	Winder	Owner	1000
1624	Stealer	Sappington	900
1625	City of Okl.	Faulkes	1200
1626	Oliver	Oliver	400
1627	Turner	Fredericksen	2500
1628	Franklin	Hopper	6000
1629	Bequette	Owner	500
1630	Swanson	Malinstrom	2388
1631	Roth	Hobson	400
1632	Rogers	Knowles	700
1633	Boehme	Owner	1800
1634	Collins	MacGregor	400
1635	Butler	Hudson	2950
1636	Short	Short	8750
1637	Shuey Crmy	Owner	750
1638	Madsen	Hansson	1400
1639	Joseph	Carr	400
1640	Montanious	Pedgrift	6000
1641	Eisfelt	Knight	400
1642	Ellis	Strong	500
1643	Carleton	Carleton	2000
1644	Carleton	Carleton	4500
1645	Wilson	Wilson	500
1646	Barbour	Blanchard	1500
1647	Kern	Kern	4700
1648	Williams	Morse	1900
1649	Baptist School	Bixby	500
1650	Miller	Miller	400
1651	Barnes	Whalen	4000
1652	Gaddis	Graft	3500
1653	Wilson	Pearce	2500
1654	Collier	Baker	2400
1655	Maderos	Maderos	3000
1656	Newson	Graybill	2380
1657	Westover	Morton	22000
1658	Mills College	Kyle	5500
1659	Marino	Perona	4625
1660	Vall	Vall	1600
1661	Bay Cities Inv.	Owner	4500
1662	Carlston	Skaggs	1400
1663	Cipolatto	Peterson	950
1664	Hawthorne	Morton	24500
1665	Hull	Patton	1000
1666	Board of Ed.	Owner	1600
1667	Derby	Lydikesen	6416

Alterations.
(1599) NO. 2914 ADELINE, Berkeley
Owner—Mr. Rule, Premises.
Architect—None.
Contractor—T. Birmingham, 3005 Ful-
ton, Berkeley.
COST, \$2000

(1600) NO. 1224 MASONIC AVE.,
Berkeley. One-story 4-room dwlg.

Owner—B. K. Deabigh, 2341 Shattuck Ave., Berkeley.
Architect—None.
Contractor—A. Hendrickson, 3582 Fruitvale Ave., Oakland.
COST, \$2000

DWELLING

(1609) W CHERRY 118-6 N Russell, Berkeley. One-story 6-room dwlg.
Owner—John A. Bischoff, 5763 Shafter Ave., Oakland.
Architect—None.
Day's work. COST, \$3500

DWELLING

(1602) SW HAMPEL AND RANDALPH, Oakland. One-story 6-room dwelling.
Owner—Grace E. Woodburn, 341 Alcatraz Ave., Oakland.
Architect—None.
Day's work. COST, \$3000

DWELLING

(1603) S STANFORD AVE 170 W Los Angeles, Oakland. One-story 5 room dwelling.
Owner—G. H. Noble, 2205 Santa Clara Ave., Alameda.
Architect—None.
Day's work. COST, \$2750

WAREHOUSE

(1604) FOOT TWENTIETH ST., Oakland. One-story concrete warehouse.
Owner—Pacific Steel & Wire Co.
Architect—Clay N. Burrell, 1st National Bank Bldg., Oakland.
Contractor—F. A. Muller, Syndicate Bldg., Oakland.
COST, \$24,000

DWELLING

(1605) E MILES AVE 40 S Forest, Oakland. One-story 6-room dwlg.
Owner—E. T. Lesure, 484 Forest St., Oakland.
Architect—E. E. Young, 251 Kearny St., San Francisco.
Day's work. COST, \$3000

DWELLING

(1606) S SHAFER AVE 200 E College Ave., Oakland. One-story 5-room dwelling.
Owner—J. A. Marshall, Claremont & Avalon, Berkeley.
Architect—None.
Day's work. COST, \$2500

DWELLING

(1607) S FAIRFAX AVE 200 E Courtland, Oakland. One-story five-room dwelling.
Owner—O. Zetterblad, 4639 Fairfax Ave., Oakland.
Architect—None.
Day's work. COST, \$2500

DWELLING

(1608) W SIXTY-SECOND AVE 40 S Fortune Way, Oakland. One-story five-room dwelling.
Owner—A. Alder, 2487 62nd Ave., Oakland.
Architect—None.
Day's work. COST, \$2000

DWELLING

(1609) N WELLINGTON 200 E Park Blvd., Oakland. One-story 5-room dwelling.
Owner—J. P. Christensen, 3831 Brighton Ave., Oakland.
Architect—None.
Day's work. COST, \$2850

ROOF SIGN

(1610) NO. 2308 BROADWAY, Oakland. Burr & Hetzell, Premises.
Architect—None.
Contractor—Yager Sheet Metal Wks., land. Roof sign.
3501 Chestnut, Oakland.
COST, \$500

ALTERATIONS

(1611) NO. 485 HARDY, Oakland. Alterations.
Owner—A. P. Anderson, Premises.
Architect—None.
Contractor—H. M. Frostholt, 6457 Colby, Oakland.
COST, \$926

GARAGE

(1612) W MARKET 162 N Eighth, Oakland. One-story concrete garage.
Owner—J. O. Meads.
Architect—Chas. W. McCall, Central Bank Bldg., Oakland.
Contractor—H. P. Nelson, 2241 Grove, Oakland.
COST, \$10,969

ALTERATIONS

(1613) NO. 3732 THIRTY-EIGHTH AVE., Oakland.
Owner—Mrs. Mary Helmore.
Architect—None.
Contractor—C. Bryson.
COST, \$400

GARAGE

(1614) S FORTIETH 293 W Telegraph Ave., Oakland. One-story brick garage.
Owner—M. C. Vaughn, 5833 Ayala, Oakland.
Architect—None.
Day's work. COST, \$990

ADDITION

(1615) NO. 1023 LAKESHORE AVE., Oakland. Addition.
Owner—E. R. Smith.
Architect—None.
Contractor—Harry Schwalm, 721 Main St., Hayward.
COST, \$850

DWELLING

(1616) S CALMAR AVE 500 W Carlston, Oakland. Two-story 7-room dwelling.
Owner—Jeannie Gregory, 850 Calmar Ave., Oakland.
Architect—Chas. W. McCall, Central Bank Bldg., Oakland.
Contractor—Alfred Peterson, 3918 Linwood Ave., Oakland.
COST, \$6700

(1617) NO. 31 HIGH COURT, Berkeley. Additions and alterations to dwelling.
Owner—W. Hollister, Premises.
Architect—None.
Contractor—J. A. Williams, 646 Colusa Ave., Berkeley.
COST, \$1500

RESIDENCE

(1618) EAST PIEDMONT HEIGHTS, Oakland. All work for two-story and basement 9-room frame residence.
Owner—E. E. Schaefer.
Architect—Sidney B. Newsom, Nevada Bank Bldg., San Francisco.
Contractor—W. E. Mathews, 180 Jessie, San Francisco.
COST, \$11,500

BOAT HOUSE

(1619) FOOT EIGHTH AVE., Oakland. One-story boat house.
Owner—Norman De Vaux.
Architect—None.
Contractor—Harry C. Knight, 1601 Telegraph Ave., Oakland.
COST, \$4500

ALTERATIONS

(1620) SE FOURTEENTH AND Broadway 100x200, Oakland. All work for alterations to Macdonough Theatre and office building.
Owner—W. G. Henshaw, Mills Bldg., San Francisco.
Architect—Weeks & Day, San Francisco.
Contractor—The K. E. Parker Co.
Filed July 28, '19. Dated July 24, '19.
On 10th of each month..... 75%
Usual 35 days..... Balance
TOTAL COST, not over \$80,800 plus contractor to get \$8500.
Bond, none. Limit, Feb. 24, 1920.
Forfeit, \$50. Plans and specifications filed.

WHARF

(1621) FOOT OF HIGH ST., Oakland. Wharf.
Owner—Wm. E. Hampton Co., 1206 Pag St., San Francisco.
Architect—None.
Contractor—Mervy Elwell Co., 11th Ave., Oakland.
COST, \$9900

GARAGE

(1622) S ROSE 100 W Canning, Oakland. Garage.
Architect—Ernest Jalin, 891 37th St., Oakland.
Architect—None.
Contractor—N. T. Lindstrom, 879 37th Oakland.
COST, \$500

ALTERATIONS

(1623) NO. 537 FOURTEENTH, Oakland. Alterations.
Owner—A. H. Winder, Premises.
Architect—None.
Day's work. COST, \$1000

ALTERATIONS

(1624) NO. 543 TWENTY-THIRD, Oakland. Alterations.
Owner—M. Steiger, Premises.
Architect—None.
Contractor—W. A. Sappington, 2111 Webster, Oakland.
COST, \$900

SCHOOL

(1625) SW FIFTY-FOURTH AND Market, Oakland. One-story one-room school.
Owner—City of Oakland.
Architect—None.
Contractor—John R. Faulkes, 9828 E-14th, Oakland.
COST, \$1200

ALTERATIONS

(1626) NE FOURTEENTH AND Webster, Oakland. Alterations.
Owner—D. F. Oliver Estate, 2610 E-14th, Oakland.
Architect—Edw. T. Foulkes, S. F.
Day's work. COST, \$400

APARTMENTS

(1627) NO. 1329 TAMALPAIS, Berkeley. Two-story 4-room apartments.
Owner—Shirley Turner, Premises.

Architect—None.
Contractor—Petr Fredericksen.
COST, \$2500

DWELLING AND GARAGE
(1628) LOT 42 Map Piedmont Manor, Piedmont. All work for one-story 6-room dwelling and garage.
Owner—William Franklin, 5701 San Pablo Ave., Oakland.
Architect—None.
Contractor—M. E. Hopper & Son, 1729 Pleasant Valley Ave., Oakland.
Filed July 30, '19. Dated July 25, '19.
Contract signed \$1000
Frame up 1000
Brown coated 1250
Completed 1250
Usual 35 days 1650
TOTAL COST, \$6000

Bond, none. Limit, 90 days from July 26. Forfeit, none. Plans and specifications filed.

ADDITION
(1629) NO. 257 ATHOL AVE., Oakland. Addition.
Owner—J. P. Bequette, Premises.
Architect—None.
Day's work. COST, \$500

DWELLING
(1630) S BROOKDALE 500 E Peralta Oakland. One-story 5-room dwlg.
Owner—A. Swanson, 3344 Brookdale Ave., Oakland.
Architect—None.
Contractor—J. B. Malinstrom, 2326 27th Ave., Oakland.
COST, \$2388

OFFICE
(1631) W PIEDMONT AVE. off 41st Oakland. One-story 1-room office.
Owner—Mary Roth, 41st and Howe, Oakland.
Architect—None.
Contractor—L. B. Hobson, 4125 Piedmont Ave., Oakland.
COST, \$400

ADDITION
(1632) NO. 4037 BROADWAY, Oakland. Addition.
Owner—R. R. Rogers, Hayward.
Architect—None.
Contractor—W. A. Knowles, 3345 Broadway, Oakland.
COST, \$700

DWELLING
(1633) NE THIRTY-FIFTH AVE & Suter, Oakland. One-story 4-room dwelling.
Owner—Frank Boehme, 3356 Maple Ave., Oakland.
Architect—None.
Day's work. COST, \$1800

ALTERATIONS
(1634) NO. 227 ORANGE, Oakland. Alterations.
Owner—R. S. Collins, Premises.
Architect—None.
Contractor—J. R. MacGregor, 731 60th Oakland.
COST, \$400

DWELLING
(1635) N NICOL 90 W Champion, Oakland. One-story 5-room dwlg.
Owner—J. F. Butler, 1862 O'Farrell, San Francisco.
Architect—None.
Contractor—L. G. Hudson, 3458 Fruitvale Ave., Oakland.
COST, \$2950

PLATS
(1636) S HILL LANE 200 E Euclid, Oakland. Two-story 16-room flats.
Owner—Louise H. Short.
Architect—None.
Contractor—C. W. Short, 245 Acton Place, Oakland.
COST, \$8750

SHED
(1637) NO. 2412 STUART, Berkeley. Shed.
Owner—Shuey Creamery Co., 2809 Telegraph Ave., Berkeley.
Architect—None.
Day's work. COST, \$750

(1638) NO. 1403 BONITA AVE., Berkeley. Addition.
Owner—Mrs. E. Madsen, Premises.
Architect—None.
Contractor—Louis O. Hansson, 1128 The Alameda, Berkeley.
COST, \$1400

ADDITION
(1639) NO. 3249 BRIGGS AVE., Alameda. Addition.
Owner—Pauline Joseph, Premises.
Architect—None.
Contractor—W. H. Carr, 1617 5th Ave. Oakland.
COST, \$400

STORE BUILDING
(1640) TYNAN AVE., Alameda. One story frame store building.
Owner—E. E. Montanious.
Architect—None.
Contractor—Jas. H. Pedgrift, 565 16th Oakland.
COST, \$6000

ALTERATIONS
(1641) NO. 1025 SHERMAN, Alameda. Alterations.
Owner—T. Eisfelt, Premises.
Architect—None.
Contractor—Harry C. Knight, 2265 Powell Blvd., Alameda.
COST, \$400

GARAGE
(1642) SE SAN JOSE AND GRAND, Alameda. Garage.
Owner—Dr. James Ellis, Alameda.
Architect—None.
Contractor—F. N. Strang, 1405 Central Ave., Alameda.
COST, \$500

DWELLING
(1643) S TAYLOR 243 W Sixth, Alameda. One-story 4-room dwelling.
Owner—S. Carleton, 2023 69th Ave., Oakland.
Architect—None.
Day's work. COST, \$2000

DWELLING
(1644) S TAYLOR 275 W Sixth, Alameda. One-story 5-room dwelling.
Owner—S. Carleton, 2023 69th Ave., Alameda.
Architect—None.
Day's work. COST, \$2250

ALTERATIONS
(1645) NO. 2327 WEBSTER, Alameda. Alterations.
Owner—A. D. Wilson, 1117 Franklin, Oakland.
Architect—None.
Day's work. COST, \$500

ADDITION
(1646) NO. 506 CENTRAL AVE., Alameda. Addition.

Owner—E. M. Barbour, Premises.
Architect—None.
Contractor—C. H. Blanchard, 556 27th, Oakland.
COST, \$1500

DWELLING
(1647) W CONTRA COSTA AVE 125 N Indian Rock, Berkeley. One-story 7-room dwelling.
Owner—Herbert F. Kern, 965 Indian Rock, Berkeley.
Architect—None.
Day's work. COST, \$4700

ALTERATIONS
(1648) NO. 1410 SCENIC AVE., Berkeley. Alter and repair dwelling.
Owner—Mr. Williams, Premises.
Architect—None.
Contractor—T. O. Morse, 1398 Scenic Ave., Berkeley.
COST, \$1900

ALTERATIONS
(1649) NO 2606 DWIGHT WAY, Berkeley. Alterations.
Owner—Baptist Divinity School, 2606 Dwight Way, Berkeley.
Architect—None.
Contractor—R. R. Bixby, 2447½ Webster, Berkeley.
COST, \$500

ADDITION
(1650) NO. 1731 GROVE, Berkeley. Addition.
Owner—Martin Miller, Premises.
Architect—None.
Day's work. COST, \$400

ALTERATIONS
(1651) N THIRTY-FOURTH 60 W Webster, Oakland. Alterations and additions to dwelling.
Owner—Mrs. Barnes, 157 Grand Ave., Oakland.
Architect—None.
Contractor—W. E. Whalin, 565 16th, Oakland.
COST, \$4000

DWELLING
(1652) NO. 471 CHETWOOD, Oakland. Alter dwelling.
Owner—Dr. Gaddis, 601 1st National Bank Bldg., Oakland.
Architect—None.
Contractor—Edwin Graff, 1926 Broadway, Oakland.
COST, \$3500

DWELLING
(1653) W. CANON 600 N Hopkins, Oakland. One-story 5-room dwlg.
Owner—W. L. Wilson.
Architect—None.
Contractor—J. C. Pearce, 6932 Lockwood, Oakland.
COST, \$2500

DWELLING
(1654) S FLORA 61 E 64th Ave., Oakland. One-story 4-room dwelling.
Owner—E. Collier, 1016 Lakeshore Ave., Oakland.
Architect—None.
Contractor—Wm. J. Baker, 546 30th, Oakland.
COST, \$2400

DWELLING
(1655) N FREDERICK 50 E Kennedy Oakland. One-story 5-room dwlg.
Owner—Joe Maderos, 1022 Cotton, Oakland.
Architect—None.
Day's work. COST, \$3000

DWELLINGS

(1656) E TWENTY-SECOND AVE
38 S E-28th S 36x125, Okd. All
work for three 5-room dwellings.
Owner—Wm. A. Newsom, Oakland.
Architect—L. F. Hyde, 26th Ave., Okd.
Contractor—Graybill & Wierk.

Filed July 30, '19. Dated July 29, '19.
Material delivered.....Paid
Value work rendered when due.....Paid
Frame up.....\$100
Usual 35 days.....Balance

TOTAL COST, \$2380

Bond, none. Limit, 35 days. Forfeit,
none. Plans and specifications filed.

NOTE—Contract given as recorded.

APARTMENTS

(1657) E 60.75 LOT 2 and N 22 Lot 1
Bk "A," Whitney Tract, Berkeley.
All work for three-story apartments
Owner—Myron Westover, Berkeley.
Architect—None.

Contractor—Mathew Morton, Bkly.
Filed July 31, '19. Dated July 24, '19.
Roof boards on.....\$4800
Brown coated.....4200
Standing finish on.....3500
Completed and accepted.....4000
Usual 35 days.....5500

TOTAL COST, \$22,000

Bond, \$11,000. Sureties, E. M. Downer
and E. M. Tilden. Limit, 4 months.
Forfeit, none. Plans and specifications
filed.

PLUMBING WORK

(1658) CAMPUS MILLS COLLEGE,
Oakland. Plumbing for two-story
and basement dormitory building.

Owner—Mills College Inc., acting
through Agents P. J. Walker Co.
Architect—Bakewell & Brown, 251
Kearny, San Francisco.
Contractor—H. I. Kyle.
Filed July 31, '19. Dated July 29, '19.
Each month cost of materials
and labor.....

TOTAL COST, \$5500

Bond, \$2750. Surety, U. S. Fidelity &
Guaranty Co. Limit, 25 days. Forfeit,
none. Plans and specifications filed.

ALTERATIONS

(1659) E FILBERT bet. 5th and 7th
Streets, 100x125, Oakland. All work
for altering four dwellings.

Owner—Frank Marino and wife, 6
Genoa Place, Oakland.

Architect—None.

Contractor—John Perona.

Filed Aug. 1, '19. Dated July 31, '19.
Rustic on lower parts.....\$1150
Plumbing completed.....1150
Completed.....1150
Usual 35 days.....1175

TOTAL COST, \$4625

Bond, none. Limit, 65 days. Forfeit,
\$333. Specifications only filed.

DWELLING

(1660) N E-FOURTEENTH 50 W
100th Ave., Oakland. One-story 4-
room dwelling.

Owner—H. R. Vail, 725 E-23rd, Okd.
Architect—None.

Day's work.....COST, \$1600

(1661) NO. 1831 MYRTLE, Oakland.
Alter apartments.

Owner—Bay Cities Invest. Co., Blake
Bldg., Oakland.

Architect—None.

Day's work.....COST, \$4500

ALTERATIONS

(1662) NO. 839 FIFTY-THIRD, Oak-
land. Alterations.

Owner—Mrs. A. V. Cariston, Premises
Architect—None.

Contractor—J. H. Skaggs, 536 44th,
Oakland. COST, \$1400

STORE

(1663) NE THIRTY-EIGHTH AVE
and Allendale, Oakland. One-story
one-room store.

Owner—P. Ciptoloto, 38th Ave and
Allendale, Oakland.

Architect—None.

Contractor—P. Peterson, 2059 Leise
Ave., Oakland.

COST, \$950

APARTMENTS

(1664) W EUCLID AVE 50 N Haw-
thorne Terrace, Berkeley. Three-
story 15-room apartments.

Owner—Hawthorne Investment Co.,
Berkeley.

Architect—None.

Contractor—Mathew Morton, 2911
Benvenue Ave., Berkeley.

COST, \$24,500

ALTERATIONS

(1665) NO. 2627 FULTON, Berkeley.
Alterations.

Owner—T. B. Hull, Premises.

Architect—None.

Contractor—W. T. Patton, 2224
Roosevela Ave., Berkeley.

COST, \$1000

REPAIRS

(1666) ROSE AND WALNUT, Ber-
keley. Repairs.

Owner—Board of Education, 2133
Allston Way, Berkeley.

Architect—None.

Day's work.....COST, \$1600

ADDITION

(1667) ADJACENT TO NO. 3069 E-
14th St., being SW Cor. E-14th and
31st avenue SW 100.19 W 56.13 th
100 to pt on E-14th SE 50.3, Oak-
land. All work except electric
work, light fixtures, shades, plumb-
ing and white wash for Class "C"
addition to garage.

Owner—Derby Estate Co.

Architect—L. F. Hyde, 26th Ave.,
Oakland.

Contractor—George H. Lydixsen,
Oakland

Filed Aug. 2, '19. Dated July 31, '19.
Brick work started..... $\frac{1}{4}$
Brick work completed..... $\frac{1}{4}$
Completed and accepted..... $\frac{1}{4}$
Usual 35 days..... $\frac{1}{4}$

TOTAL COST, \$6446

Bond, \$3500. Surety, Fidelity &
Casualty Co. Limit, 60 days. Forfeit,
\$1. Plans and specifications filed.

COMPLETION NOTICES.

Alameda County.

Recorded Accepted
July 26, 1919—NW SIXTY-FIFTH
and Tremont, Okd. J A Sullivan
to Elmer Davis.....July 23, 1919

July 25, 1919—PT. DISTANT 60 NW
Horton St. and S boundary line
lands Mee Estate NW 598.02 SW
203.72 SE 598.75 NE 233.32,
Emeryville. Sherman-Williams
Co of Calif. to George Wagner.

July 24, 1919

July 28, 1919—NE DERBY AVE 210
NE E-12th NE 35xNW 123.38,
Okd. Cora B Grady by A K P
Harmon to S A Werner.....

July 23, 1919

July 28, 1919—LOT 112 Map Pied-
mont-by-the-Lake, Okd. Henry
W Haler to whom it may concern

July 26, 1919

July 29, 1919—LOT 14 Piedmont-
by-the-Lake Tract, Gert-
rude Siminoff to E A Spencer.....

July 25, 1919

BUILDING CONTRACTS.

Santa Clara County.

BUILDING

SIXTH ST., Chinitown, San Jose.
Building.

Owner—Wing Moo.

Architect—None.

Contractor—J. C. Thorp, 45 Auzerals
Bldg., San Jose.

COST, \$1000

SERVICE STATION

MARKET AND SAN CARLOS STS.,
San Jose. Service station.

Owner—Associated Oil Co.

Architect—None.

Contractor—R. O. Summers, 1019
Sherman St., San Jose.

COST, \$5000

COTTAGE

SIXTH AND KEYES STS., San Jose.
Five-room cottage.

Owner—Geo. K. Holloway, San Jose.

Architect—None.

Day's work.....COST, \$1400

WARE HOUSE

PLEASANT AND JULIAN STS., San
Jose. Brick ware house.

Owner—Guggenheim Co., San Jose.

Architect—None.

Contractor—H. A. Bridges, 725 S-7th
St., San Jose.

COST, \$20,000

DWELLING

E THIRTEENTH ST., bet. San Fer-
nando and San Antonio, San Jose.

Dwelling.

Owner—W. J. Curtner, 185 S-16th St.,
San Jose.

Architect—None.

Contractor—G. Lundbloom, San Jose.
COST, \$10,732

FILLING STATION

FIRST AND ST. JAMES STS., San
Jose. Filling station.

Owner—Standard Oil Co., 2nd and
San Carlos, San Jose.

Architect—None.

Day's work.....COST, \$1000

ALTERATIONS

MARKET AND SANTA CLARA STS.,
San Jose. Alterations.

Owner—L. Hart & Sons, 84 W-Santa
Clara St., San Jose.

Architect—Binder & Curtis, 257 S-1st
St., San Jose.

Contractor—W. J. Moore, 75 Duane
St., San Jose.

COST, \$10,000

FRAME BUILDING

E EIGHTH ST., bet. Empire and
Jackson Sts., San Jose. Frame

nursery building.
Owner—California Packing Corp.,
San Carlos and Bush Sts., San
Jose.

Architect—None.

Contractor—F. L. Hoyt, San Jose.

COST, \$2000

E FOURTEENTH ST., bet. San Salvador and Williams Sts., San Jose.
Cottage.

Owner—F. C. Archer, 311 S-14th St., San Jose.

Architect—None.

Contractor—A. M. Whiteside, 71 S-19th St., San Jose.

COST, \$5800

ALTERATIONS

NO. 25 E-SANTA CLARA ST., San Jose. Alter front.

Owner—Savory Restaurant, Premises. Architect—None.

Contractor—Wallace & Bush, Bank of San Jose, San Jose.

COST, \$2000

BRICK BUILDING

E FIRST ST., bet. William and San Salvador Sts., San Jose. One-story brick building.

Owner—Jay McCabe & Chas. O'Brien, 82 S-First St., San Jose.

Architect—None.

Contractor—F. L. Hoyt, 566 N-16th St., San Jose.

COST, \$15,000

ALTERATIONS

SANTA CLARA near Market, San Jose. Alterations.

Owner—Auzeais Estate, Auzeais Bldg., San Jose.

Architect—None.

Contractor—Shottenhamer Bros., 401 S-Market St., San Jose.

COST, \$3500

FOURTEENTH AND WASHINGTON Sts., San Jose. Four-room cottage.

Owner—A. W. Slaght, Premises. Architect—None.

Contractor—Ed. Slaght, 752 S-9th St., San Jose.

COST, \$1800

FRAME RESIDENCE

NEAR SARATOGA. All work except plumbing, fixtures, window shades and fish hardware for frame residence.

Owner—Hamilton Morgan, San Francisco.

Architect—None.

Contractor—O. H. Anderson, Monta Vista, Santa Clara Co., Cal.

Filed July 23, '19. Dated July 12, '19.

Frame up and roof ready for shingling.....\$725

Building, all brick work and chimneys in place and 1st coat plaster applied..... 725

Completed and accepted..... 725

Usual 35 days..... 725

TOTAL COST, \$2900

Bond, none. Limit, 150 working days from date. Forfeit, none. Plans and specifications filed.

FRAME COTTAGE

LOTS 30 AND 31 BLK "A" Panline Tract, Town of Sunnyvale, Santa Clara County. All work for one-story frame cottage.

Owner—The Roman Catholic Archbishop of San Francisco (a corporation sole).

Architect—Charles S. McKenzie, San Jose.

Contractor—William M. Myer, Cupertino, Cal.

BUILDING AND ENGINEERING NEWS

Filed July 29, '19. Dated July 28, '19.

Frame erected\$1368.75

1st coat plaster in inside..... 1368.75

When completed 1368.75

Usual 35 days..... 1368.75

TOTAL COST, \$5475.00

Bond, \$3000. Sureties, Homer J. Langdon and A. L. Hubbard. Limit, 80 days. Forfeit, none. Plans and specifications filed.

BUILDING

ON POLHEMUS ST., near Stockton Ave., San Jose. Building including concrete foundation, piers, lumber, mill work, nails, carpenter work and hardware.

Owner—Charles B. and E. R. Polhemus.

Architect—Wolfe & Higgins, San Jose Contractor—E. L. Wolfe, San Jose.

Filed July 30, '19. Dated July 29, '19.

As work progresses..... 75%

TOTAL COST, \$3125

Bond, \$1562.50. Sureties, Benj. A. Quimet and J. B. Wolfe. Limit, 30 days. Forfeit, \$2 per day. Plans and specifications filed.

COMPLETION NOTICES.**Santa Clara County.**

Recorded Accepted
July 28, 1919—FOURTEENTH AND

Washington, San Jose. Mabel Slaght to whom it may concern.....

..... July 22, 1919

July 23, 1919—LICK AVE., San Jose.

San Jose Canning Co to R Lee Wallace and Lysle W Bush.....

..... July 23, 1919

July 25, 1919—CAMPUS OF STANFORD University, Palo Alto. Board of Trustees Leland Stanford Jr University to San Francisco Compressed Air Cleaning Co.....

..... July 19, 1919

BUILDING CONTRACTS.**San Mateo County.**

PTN LOTS 1, 2, 3, 4 AND 5 BLK 33

Oak Knoll Manor, near Redwood City. All work for two-story frame girls' club building.

Owner—Mortimer Fleischacker.

Architect—Edward E. Young, 251 Kearny St., San Francisco.

Contractor—W. C. Duncan & Co., Sharon Bldg., San Francisco.

Filed July 26, '19. Dated July 19, '19.

On 1st or 2nd month..... 75%

Usual 35 days..... 25%

TOTAL COST, \$14,200

Bond, none. Limit, on or before Nov. 20, 1919. Forfeit, none. Plans and specifications filed.

BUILDING CONTRACTS.**San Joaquin County.****COTTAGE**

HIGH SCHOOL GROUNDS, Stockton. Frame cottage.

Owner—Board of Education of Stockton.

Architect—None.

Day's work..... COST, \$2700

FRAME DWELLING

FAIR OAKS, Stockton. Frame dwlg.

Owner—G. F. Barr.

Architect—None.

Day's work..... COST, \$2250

ADDITION

STOCKTON. Addition to plant.

Owner—National Paper Products Co. Church bet. McDougall & Stockton Sts., Stockton.

Architect—None.

Day's work..... COST, \$60,000

BUILDING CONTRACTS.**Santa Clara County.****ALTERATIONS**

BASSETT AND SAN PEDRO STS., San Jose. Alterations and repairs.

Owner—Western Meat Co., San Jose Branch, Bank and San Pedro Sts., San Jose.

Architect—None.

Day's work..... COST, \$2000

ALTERATIONS

SEVENTH AND SAN FERNANDO Sts., San Jose. Alterations and additions.

Owner—Ed Gilman, Premises.

Architect—Warren J. Skillings, San Jose.

Contractor—Jas. Lemieux, 577 S-6th St., San Jose.

COST, \$12,500

ADDITION

NO. 279 DELMAS, San Jose. Addition and alterations.

Owner—W. M. Peterhauß, Premises.

Architect—None.

Contractor—J. W. Williams, 931 S-8th St., San Jose.

COST, \$500

BUILDING CONTRACTS.**Marin County.****FRAME DWELLING**

SAN ANSELMO. Carpenter work, brick work, labor, etc., for two-story frame dwelling.

Owner—W. F. McKannay, San Francisco.

Architect—T. Paterson Ross, 310 California St., San Francisco.

Contractor—Fred Miller, 222 Dolores St., San Francisco.

Filed July 25, '19. Dated July 8, '19.

Frame up\$1800

When plastered 1900

When completed 1900

Usual 35 days..... 1875

TOTAL COST, \$7475

Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

BUILDING CONTRACTS.**Fresno County.****DWELLINGS**

ALTA VISTA TRACT Lots 4, 5, 6, 7 and 12 Blk 15, Fresno. Five frame dwellings and garages.

Owner—Fresno Bldg. Cpn.

Architect—None.

Day's work. Cost, \$4750 to \$5800 each

FRAME DWELLING

CEDAR PARK Lot 7 Blk 11, Fresno. One-story frame dwelling.

Owner—J. W. Hickey, 1911 Fresno St., Fresno.

Architect—None.

Day's work..... COST, \$1500

FRAME DWELLING

LOT 6 BLK 33, Alta Vista Tract, Fresno. Frame dwelling.

Owner—L. L. Walker, 260 N-U St., & G. A. Cockrell, 1525 O St., Fresno. Architect—None.
Contractor—Yarnell & Garges, 1026 S-4th St., Fresno.

COST, \$2800

REPAIRS

NO. 1525 -39 TULARE ST., Fresno. Repair fire damaged building.
Owner—Tony Duck.
Architect—None.
Contractor—A. Allen, 259 Blackstone St., Fresno.

COST, \$2400

DWELLING

LOTS 19 AND 20 BLK 19, North Park Terrace, Fresno. Frame dwelling and garage.
Owner—Chess & Peterson.
Architect—None.
Contractor—Hansen Const. Co., 2225 Fresno St., Fresno.

COST, \$4800

SEWER BIDS REJECTED. NEW BIDS WANTED.

BENICIA, Solano Co., Cal.—All bids for construction of the West Side sewer have been rejected by the City Trustees and the Clerk authorized to advertise for new bids.

PAVING BIDS WANTED.

BEND, Ore.—Bids for the improvement of several streets will be received by the City Recorder, D. H. Peoples, up to August 8th, the work to cost about \$22,640.25.

HIGHWAY BIDS WANTED.

Bids will be received up to August 25th, 2 P. M., by the California Highway Commission for highway work as follows:

Lake County, 9.4 miles to be graded
Santa Barbara County, 3.6 miles to be paved with Portland cement.
Ventura Co., 5.2 miles to be paved with cement.

Los Angeles County, 6.3 miles to be paved with Portland cement and asphaltic surface.

Austin B. Fletcher, Highway Engineer, 515 Forum Bldg., Sacramento.

AUTOMOBILE BUS BIDS WANTED.

EMPIRE, Kings Co., Cal.—Bids will be received by the Trustees of the Empire School District, Kings County, up to 8 p. m., August 14th, for furnishing and delivering one automobile bus, new or second hand. Delivery to be made by September 1, 1919.

TWO BIDS RECEIVED FOR HETCH HETCHY DAM.

The Utah Construction Co., of Salt Lake City, submitted the low bid to the Board of Public Works for the construction of the Hetch-Hetchy dam. Two bids were submitted as follows:

Utah Construction Co., Certified Check, \$550,000; bid approximately, \$5,400,000.

R. C. Storrie Co., Certified Check, \$550,000; bid approximately, \$6,200,000.

It is probable that the bids will be rejected as the estimates of the City Engineer runs about \$4,000,000.

A complete list of the bids will be published in these columns tomorrow.

Further information may be had from the Clerk of the District, M. L. Huff, Empire, Calif.

SCHOOL ALTERATION BIDS WANTED.

LINDSAY, Tulare Co., Cal.—Bids will be received by Architects Swartz & Swartz, 624 Rowell Bldg., Fresno, up to 3 P. M., August 15th, for the construction and remodeling of a school building, tank house and lunch shed for the Lindsay School District.

Plans and specifications may be obtained from the architects.

Trustees of the District are: H. C. Mathieson, Gus Anderson and Eric Anderson.

SCHOOL REPAIR BIDS WANTED.

GRASS VALLEY, Nevada Co., Cal.—Bids will be received by the City Board of Education, Wm. J. Peters, President, and A. B. Champion, Clerk, up to August 4th, 7:30 p. m., for the shingling and other repairs to be made on the Columbus School building, as per plans and specifications on file with the clerk at the Nevada County Bank, Mill street, Grass Valley, Cal.

SCHOOL HEATING SYSTEM BIDS WANTED.

MODESTO, Stanislaus Co., Cal.—Bids will be received by the Board of Education, Kathleen G. Prewett, Secretary, up to August 12th, 7:30 P. M., for a heating plant for the Seventeenth Street School. The work is estimated to cost \$4,500.

BIDS WANTED FOR FERRY LAND-ING CONSTRUCTION.

WOODLAND, Yolo Co., Cal.—Bids will be received up to August 18th, 10 A. M., by the County Board of Supervisors, H. R. Saunders, Clerk, for the construction of two ferry landings on the banks of the Sacramento River, at Clarksburg, Yolo County.

Further information together with plans and specifications may be had from the County Clerk.

BRIDGE BIDS WANTED.

REDDING, Shasta Co., Cal.—Bids will be received by the County Supervisors, S. N. Witherow, Clerk, up to August 20th, 10 a. m., for the construction of the following concrete wagon road bridges in Shasta County:

1. Reinforced concrete bridge across Battle Creek near Manton (60 ft. long).

2. Reinforced concrete bridge across Cow Creek at Millville—also steel bridge with concrete floor at same location (240 ft. long).

3. Reinforced concrete bridge across Salt Creek (80 ft. long).

4. Reinforced concrete bridge across Whiskey Creek (28 ft. long).

The bridges across Salt Creek and Whiskey Creek, being on Division 2, Route B, Redding and Tower House lateral.

Plans and further information may be had from the County Clerk at Redding.

STATE OF CALIFORNIA,
DEPARTMENT OF ENGINEERING.
CALIFORNIA HIGHWAY COMMISSION.
NOTICE TO CONTRACTORS.

SEALED PROPOSALS will be received at the office of the California Highway Commission, 515 Forum Building, Sacramento, Cal., until 2 o'clock P. M. on August 25, at which time they will be publicly opened and read for construction in accordance with the specifications therefor, to which special reference is made, portions of State highway as follows:

Lake County, between the westerly boundary and Lakaport (L-Lak-16-A), about 9.1 miles in length to be graded.
Santa Barbara County, between Divide and Orcutt (V-S-B-2-A), about 3.6 miles in length to be paved with Portland cement concrete.

Ventura County, between the southerly boundary and Conejo Grade (VII-Ven-2-A & B), about 5.2 miles in length to be paved with Portland cement concrete.

Los Angeles County, between Lanker-shim Boulevard and South Sherman Way, (VII-L.A.-2-A) about 5.2 miles in length, to be paved with Portland cement concrete and asphaltic surfacing.

Los Angeles County, between Russell Ranch and the westerly boundary (VII-L.A.-2-C), about 1.3 miles in length, to be paved with Portland cement concrete.

Plans may be seen, and forms of proposals, bonds, contract, and specifications may be obtained, at the said office, and they may be seen at the office of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineers' offices are located at Whittier, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno, and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal for full directions as to bidding, quantities of work to be done, etc.

The Department of Engineering reserves the right to reject any or all bids or to accept the bid deemed for the best interests of the State.

NEWELL D. PARKINSON,
CHARLES A. WHITMORE,
GEO. C. MANSFIELD,
California Highway Commission.
AUSTIN B. FLETCHER,
Highway Engineer,
WILSON R. ELLIS,
Secretary.

Dated: July 28 1919.

BRIDGE BIDS WANTED.

EUREKA, Humboldt Co., Cal.—Bids will be received by the County Supervisors, Fred M. Kay, County Clerk, up to August 12th, 2 p. m., for the construction of a wooden truss bridge over the North Fork of Mad River at Korbel in Road District No. 8.

SCHOOL BIDS WANTED.

GREENFIELD, Monterey Co., Cal.—Bids will be received by the Trustees of the Greenfield School District, I. G. Giacomazzi, Clerk, Greenfield, up to August 15th, 8 P. M., for the building of a new grammar school building and for moving and repair grammar school building, according to plans and specifications prepared by H. B. Douglas, architect. Plans may be seen in the office of the Superintendent of Schools at Salinas, Cal.

SACRAMENTO, Cal.—Bids will be received up to August 18, 12 M., by Architects Woollett & Lamb, Physicians' Bldg., Sacramento, for the construction of a one-room school building in Jefferson School District. R. J. Clark is Clerk of the School Board.

SCHOOL ADDITION BIDS WANTED.

LOCAN SCHOOL DISTRICT, Fresno Co., Cal.—Bids will be received by Architects Glass & Butner, 427 Cory Bldg., Fresno, up to August 13th, 3 p. m., for the construction of an addition to the Locan School building.

Plans may be had from the architects. Trustees of the district are J. G. Howden, Philip Hergenroeder, Floyd H. Kellas.

AIR PIPE BIDS WANTED.

SAN FRANCISCO, Cal.—Bids have been ordered received by the Board of Public Works for furnishing and delivering 3990 feet of 24-inch diameter riveted steel air pipe for use in ventilating tunnels in the Mountain Division of the Hetch-Hetchy project. The estimated cost is \$9,000.

COUNTY HIGHWAY BIDS WANTED

MARTINEZ, Contra Costa Co., Cal.—Bids will be received by the County Supervisors, J. H. Wells, County Clerk, up to August 18th, 11 A. M., for furnishing materials and construction of a road with a concrete base on Section No. 1 of Division No. 21 of the County Highway System which begins at the north end of Main street in the town of Bay Point and runs westerly a distance of 3123.25 feet, in accordance with plans and specifications prepared by R. R. Arnold, County Surveyor of Contra Costa County.

BRANCH COUNTY JAIL BIDS WANTED.

REDWOOD CITY, San Mateo Co., Cal.—Bids will be received by the County Supervisors, Elizabeth M. Nash, County Clerk, up to 10 A. M., August 11th, for the building complete of a Branch County Jail building in Half Moon Bay, San Mateo County, Calif.

The building will be erected upon Johnson street, corner of Kelly Ave.

BRIDGE PLANS ORDERED.

HANFORD, Kings Co., Cal.—The County Supervisors have instructed County Engineer Ben Duffield to prepare plans for a new bridge which will be constructed across the Kings River directly south of Kingsburg.

The bridge will be of concrete and will be about 500 feet in length.

School Plumbing Work Planned.

LINDEN, San Joaquin Co., Cal.—An election will be held in the Linden School District on the 13th day of August, 1919, at which will be submitted the question of voting a tax to install water plant, drinking fountains, plumbing, improving and maintaining buildings and grounds.

For this purpose it is necessary to raise \$1500.

Trustees of the District are: J. A. Drace, Myrtle M. Seymour and C. H. Miller.

PLANS TO ERECT APARTMENT HOUSE.

AVALON, Los Angeles Co., Cal.—A. C. Parsons, Hobart Bldg., San Francisco, contemplates erecting a four-story store and apartment building at Catalina Avenue.

THEATRE CHAIR CONTRACT AWARDED.

VALLEJO, Solano Co., Cal.—P. F. Hanlon, owner of the proposed theatre building, now under construction in Virginia street, has let a contract to the Bedford Company of Vallejo for furnishing and installing 1494 circassian walnut, upholstered chairs on their bid of \$12,600.

ROAD IMPROVEMENT BIDS WANTED.

STOCKTON, San Joaquin Co., Cal.—Bids will be received by the County Supervisors, Eugene D. Graham, County Clerk, up to August 20th, 10 A. M., for improvement work on that portion of Lodi avenue adjoining the north boundary of Lodi between School and Church streets in Elkhorn Road District, in accordance with plans and specifications prepared by County Surveyor F. E. Qual.

PASADENA, Los Angeles Co., Cal.—S. B. Morris, Chief Engineer of the water department, has recommended that money be set aside from the general fund to construct the proposed distributing system for the San Rafael Heights District, estimated to cost \$100,000, in advance of collecting the assessments in the district. Provision must also be made for a booster pump and reservoir to cost \$16,000 to \$18,000. There has already been set aside \$15,000 for construction work in tunnels and \$25,000 for equipping and deepening the Woodbury and Franklin wells.

STREET WORK PLANS ORDERED.

RICHMOND, Contra Costa Co., Cal.—The City Engineer has been instructed to prepare plans and specifications for the improvement of Garrard Boulevard between Ohio and Standard avenues.

A. C. Faris is City Clerk.

ASSISTANT ENGINEER NAMED FOR SACRAMENTO FILTRATION WORK.

SACRAMENTO, Cal.—The appointment of George N. Randle as Assistant Constructing Engineer during the construction of the filtration plant has been approved by the City Commission. Major Charles Gilman Hyde is the Chief Consulting Engineer. Commissioner John Q. Brown made the appointment of Randle, which was approved unanimously.

PAVING BIDS WANTED.

MERCED, Merced Co., Cal.—Bids will be received by the County Supervisors up to August 18th, 10 A. M., for the paving of streets and drives around the Merced County Court House.

TO CONSTRUCT RAILROAD.

SAN DIEGO, Cal.—City Hydraulic Engineer H. N. Savage has arranged with the San Diego & Arizona Railway Co. for a spur track to the Barrett dam site, and with the San Diego Consolidated Gas & Electric Co. for a transmission line. Two surveying parties are in the field.

GARBAGE INCINERATOR PLANS SUBMITTED.

NAPA, Napa Co., Cal.—At the last meeting of the City Council George E. Schneider of San Francisco submitted plans of a garbage incinerator with an estimation of about \$10,000 for installation. No action was taken.

SCHOOL BONDS.

MARTINEZ, Contra Costa Co., Cal.—Bids will be received by the County Supervisors, J. H. Wells, County Clerk, up to August 18th 11 a. m., for the purchase of bonds in the sum of \$125,000. The proceeds of the sale will finance construction of the Alhambra High School.

STORM SEWER AND FIRE APPARATUS BONDS DEFEATED.

EL CERRITO, Contra Costa Co., Cal.—The election held recently to vote bonds of \$70,000 with which to finance construction of storm sewers and purchase fire equipment failed to carry.

STREET AND SEWER WORK PLANNED.

RICHMOND, Contra Costa Co., Cal.—The Richmond City Council has passed resolutions of intentions providing for the following improvements:

To repave Barrett avenue between Garrard Boulevard and the easterly line of the right-of-way of the Southern Pacific Company.

To construct sewers in the East Richmond Boulevard, Tewksbury Heights and Richmond Traffic Center tracts.

To improve portions of Lowell avenue, Twenty-fourth and Twenty-sixth streets, and to construct lateral sewers in portions of Lowell avenue and Twenty-third street.

A. C. Faris is City Clerk.

BIG DREDGING CONTRACT AWARDED.

PORTLAND, Ore.—Mayor Baker, Commissioner Barbur and officials of the Pacific Bridge Company affixed their signatures to the \$309,000 contract recently awarded the dredging company for construction of the Columbia slough channel, the keystone unit of the Peninsula sewer project.

HARDWARE, LUMBER, PAINTS, ETC., BIDS WANTED.

OAKLAND, Cal.—Bids will be received by Dan W. Pratt, Secretary of the Oakland Board of Education, Room 1101 City Hall, up to August 4th, 4:30 P. M., for hardware, janitor supplies, waste baskets, flags, paints, oils, enamelware, crockery, dry goods and lumber.

PAVING PLANS APPROVED.

LODI, San Joaquin Co., Cal.—At the last meeting of the City Trustees plans and specifications for the paving of Walnut street from Hutchins street to Cherokee lane were adopted.

HETCH-HETCHY MATERIAL PURCHASED.

SAN FRANCISCO.—The Board of Public Works has accepted the bid of the Worthington Co., Inc., for furnishing and delivering to the Hetch-Hetchy project 'one pump for Big Creek Shaft on its bid of \$2,287.50.

The bid of the Allis-Chalmers Co. at \$1,702 for one Second Garretts Shaft has been accepted by the Board.

Municipal Improvement Bonds.

SOUTH SAN FRANCISCO, San Mateo Co., Cal.—At their last meeting the City Trustees adopted an ordinance for the sale of the \$129,000 bond issue voted recently for a new city hall, improved fire alarm and sewer work. Carl Werner, Architect, Humboldt Bank Bldg., San Francisco, has been selected as architect for the City Hall.

STANDARD OIL PLANS IMPROVEMENTS AT MARTINEZ.

MARTINEZ, Contra Costa Co., Cal.—The Standard Oil Co., Bush and Sansome streets, San Francisco, has made application to the City Trustees asking the lease of a tract of land 200 by 200 feet on the waterfront. It is said that the company plans the construction of a plant costing between \$100,000 and \$150,000. Construction of the plant will be fireproof.

The former plant of the company at Martinez was destroyed by fire a few weeks ago.

FISH HATCHERY FOR YOSEMITE VALLEY.

A fish hatchery capable of handling between 1,000,000 and 1,500,000 fish per season and costing between \$10,000 and \$20,000 probably will be built at Happy Isles, on the floor of the Yosemite Valley, in the near future by the State Fish and Game Commission, according to Field Superintendent E. W. Hunt of the Commission, who has recently returned from that territory.

FRESNO PLANS PARK REST ROOMS.

FRESNO, Fresno Co., Cal.—Installation of two up-to-date rest rooms for men and women in the courthouse park, modeled along the lines of concrete structures of this character in Los Angeles, will be made here at an early date at a cost of \$12,000, according to Acting Chairman J. B. Johnson of the Board of Supervisors.

Plans for the structures will probably be ordered when the funds for construction are included in the budget of the county.

LOS ANGELES TO GET \$750,000 INDUSTRY.

LOS ANGELES, Cal.—One and three-quarters million dollars will be invested by the Southern California Iron and Steel Company in a new plant to be erected here, President A. C. Denman has announced.

Work on the plant will start immediately. It will comprise seven reinforced concrete and steel framed galvanized iron buildings. It will take a year to finish construction.

Largely increased business, extending over the entire coast, is given as the cause for the expansion plans.

SCHOOL PLUMBING CONTRACTS AWARDED.

CHICO, Butte Co., Cal.—The Chico Board of Education has awarded a contract to Louis Van Vlack for the construction of septic tanks at \$7,236, and plumbing work to the Nichols Hardware Co., at \$8,127, the work to be done at the Salem street, Chapman, Chico, Vencino, Nord avenue and Bidwell schools.

FRESNO COUNTY FAIR GROUND IMPROVEMENTS.

FRESNO, Fresno Co., Cal.—The Board of Directors of the Fresno County Fair, Walter C. Ficklin, Secretary, has ordered the immediate improvement of the entire grounds.

It is planned to construct a new entrance, increase the size of the present grand stand and bleachers and lay out a considerable amount of landscape work.

SCHOOL HEATING AND VENTILATING SYSTEM BIDS WANTED.

FIREBAUGH, Fresno Co., Cal.—Bids will be received by Architect Antone Johnson, Kingsburg, Fresno County, Calif., up to August 13th, 1:30 p. m., for the installation and completion of heating and ventilating system to be installed in the Firebaugh Grammar School building.

Thos. E. Brown is Clerk of the Firebaugh School District.

Plans and further information may be had from the architect at Kingsburg.

PAVING BIDS TO BE CALLED SHORTLY.

HANFORD, Kings Co., Cal.—Protests on the proposed paving of Seventh and Irwin streets, will be heard by the City Trustees on August 7, and bids will be called for about two weeks later. There will be about 1½ miles of paving 50-ft. wide, with 4-in. bituminous base and 1½-in. bitulith, top and curbs. E. M. Lynch, Central Bldg., Los Angeles, and Ben Duffield, Hanford, are the engineers.

ROAD BONDS.

AUBURN, Placer Co., Cal.—The Placer County Board of Supervisors have called a good roads meeting of all citizens of the county, to be held at the courthouse on Tuesday, August 5th.

The matter of bonding the county in the interest of good roads will be discussed.

LABOR TEMPLE PLANNED FOR SEATTLE.

SEATTLE, Wash.—Union organizations of this city will vote on the selection of a site for the proposed \$1,000,000 labor temple building. Four sites are under consideration.

No architect has been selected.

PAINTING AND PAPERING COURT HOUSE BIDS WANTED.

SAN ANDREAS, Calaveras Co., Cal.—The County Supervisors, A. W. Poe, County Clerk, will receive bids up to August 18th, 1 P. M., for painting, papering and varnishing in and about the Court House, Hall of Records and County Building adjoining the Hall of Records on the south.

PLANS FOR SEATTLE SCHOOLS UNDER WAY.

SEATTLE, Wash.—School Architect F. A. Naramore, City Hall, is preparing preliminary sketches for the proposed new buildings and alterations to the present schools planned under the recently-voted \$4,500,000 bond issue.

Two new high school buildings, two intermediate schools and additions to the various present grade schools to eliminate the use of portables are included in the two-year building program contemplated by the School Board.

BRIDGE PLANS NEARING COMPLETION.

WOODLAND, Yolo Co., Cal.—County Surveyor A. G. Proctor is completing plans and specifications for the new Davis bridge connecting Yolo and Solano Counties and spanning Putah Creek, near Davis.

The bridge will cost upwards of \$10,000. The counties will share the expense equally.

COUNTY HIGHWAY BIDS WANTED

MARTINEZ, Contra Costa Co., Cal.—Bids will be received by the County Supervisors, R. R. Arnold, County Surveyor, up to August 18th, 11 A. M., for building a concrete road on Section 1, Division No. 21, which said road commences at S. P. depot at Bay Point and runs westerly toward Martinez. J. H. Wells is County Clerk.

WATER RIGHT SOLD.

The Sierra & San Francisco Power Company wants to sell to the Waterford Irrigation District of Stanislaus County what is known as the "La Grange Water Right" and has applied to the Railroad Commission for an order approving the deal. The price has been fixed at \$170,000.

According to the joint petition filed with the Commission the La Grange right gives its possessor the use of 66 cubic feet of water per second from the Tuolumne river at a point in Tuolumne county commonly known as Indian Bar. The Waterford district approximates 14,110 acres, with an assessed valuation of \$701,758.

The La Grange right, say the petitioners, is the first right upon the Tuolumne river. Under present conditions the Waterford district cannot use the river water until the demands of the Modesto and Turlock Irrigation districts, who hold the rights prior to the Waterford district, are satisfied. Its purchase will obviate the necessity of building reservoirs and give the Waterford district sufficient water for its purposes, particularly in the period between June 1 and July 15.

COUNTY ROAD BONDS.

CHICO, Butte Co., Cal.—A meeting of the county good roads committee will be called early in September to decide on the amount and extent of the new county highway bond issue, according to announcement made by W. B. Dean, chairman of the good roads committee.

According to Dean, the county can now be bonded for \$1,800,000 for good roads.

BRIDGE BONDS.

SAN BERNARDINO, Cal.—An election will be held to vote on issuing bonds for two new bridges, one over Lytle creek to cost about \$50,000, and one over Warm Creek to cost \$10,000. W. L. Brown, City Engineer.

PLAN TO BUILD ROAD.

SPRINGVILLE, Tulare Co., Cal.—A road from Springville to Camp Nelson, 16 miles north will be built jointly by the U. S. Forest Service, Tulare County, and the Southern California Edison Co., each contributing \$27,000 to the cost. The forest service desires to extend the road 20 miles farther to the Kern Lake district and the Edison Company will probably co-operate in the extension.

PLAN IRRIGATION PROJECT.

MADERA, Madera Co., Cal.—Petitions for the formation of an irrigation district in Madera County, to comprise 370,000 acres, will be circulated at once and will be presented to the County Supervisors in September. The project involves the construction of a dam in the San Joaquin River at Friant and a system of canals estimated to cost \$15,000,000. Louis Hill, of the firm of Quinton, Code & Hill, Hollingsworth Bldg., Los Angeles, is the consulting engineer. The territory to be irrigated extends from the foothills to the Chowchilla and San Joaquin Rivers.

ROAD WORK PLANNED.

PLACERVILLE, El Dorado Co., Cal.—An engineer from the Government Bureau of Good Roads has been instructed to make a preliminary survey of the proposed Marshall Boulevard and the Green Valley road.

Estimates of cost and recommendations as to the best type of road will be made.

FIRE HOSE BIDS OPENED.

STOCKTON, San Joaquin Co., Cal.—The following bids were received by the Stockton City Council for furnishing fire hose:

American Rubber Co., \$1.10, \$1.00 90 cents per foot.

Willard Hardware Co., \$1.30 per ft.

Both bids were taken under advisement.

G. W. Pulich is City Clerk.

NAPA SUPERVISORS SELECT COUNTY ENGINEER.

NAPA, Napa Co., Cal.—The Napa County Supervisors have selected E. P. Ball as County Engineer at a salary of \$250 per month. H. C. Sams will be associated with Ball, according to the plans of the Supervisors.

STREET WORK PLANNED.

OKLAND, Cal.—The City Council, L. W. Cummings, City Clerk, has passed a resolution of intention providing for the improvement of 35th avenue between School street and Hopkins avenue, by grading, concrete curbing and guttering, and the laying of an oil macadam pavement.

PAVING WORK PLANNED.

LODI, San Joaquin Co., Cal.—Plans for the paving of East Oak street have been adopted by the Supervisors and bids will be called within the next few weeks.

PAVING PLANS COMPLETE.

BERKELEY, Alameda Co., Cal.—Plans and specifications for repaving Allston Way, along the University Grounds have been completed by the City Engineer.

PAINTING SURVEY ORDERED FOR COURT HOUSE.

MARTINEZ, Contra Costa Co., Cal.—The Supervisors have instructed the County Sheriff to prepare estimates for painting the county court house and present same at the meeting of the Board to be held August 4th.

SANTA CRUZ COUNCIL PLANS STREET AND SEWER WORK.

SANTA CRUZ, Santa Cruz Co., Cal.—At the last meeting of the City Council action on various improvements was taken as follows:

Petition was granted for the improvement of Center street from the depot grounds to Lincoln street.

Report was ordered on the construction of a new outlet sewer on Columbia street.

Commissioner Greenfield announced that the street department had under way a drainage system to take care of the water in the Laveaga park district, down Darwin street. He advised, however, that a portion of Seabright avenue have an 18 inch drain laid for some distance northerly from the present drain pipe.

Estimates on the cost of placing an 18 inch drain were ordered prepared.

Commissioner Greenfield was authorized to have the city engineer prepare plans and specifications for a drainage system to take care of water from the Laveaga park district down Darwin street.

The diagram of the assessment district for the improvement of Riverside avenue was approved.

The City Engineer was instructed to prepare plans and specifications for a concrete dam on the Branciforte Creek system.

ROAD IMPROVEMENT BIDS WANTED.

STOCKTON, San Joaquin Co., Cal.—Bids will be received by the County Supervisors, Eugene D. Graham, County Clerk, up to August 20th, 10 a. m., for improvement work on that portion of Louie avenue adjoining the north boundary of Lodi, between School street and Church street of said city of Lodi in Elkhorn Road District. Plans were prepared by County Engineer F. E. Quail.

RECOMMENDS BOND ISSUE FOR IRRIGATION IMPROVEMENTS.

MODESTO, Stanislaus Co., Cal.—Chief Engineer Percy Jones of the Modesto Irrigation District has recommended an additional issue of \$250,000 in bonds, \$125,000 for enlarging and lining the main canal from the secondary gates to Mill Gulch, 4,400 feet, and also from Coopers town road bridge to Morton fill, 1,700 feet, and a similar amount for drainage system extension. This will be in addition to \$182,700 for the Modesto District's share of the cost of the Don Pedro project, and \$192,000 for the power development and plant, auxiliary to the project. Modesto District's total cost of the Don Pedro dam enterprise is figured by Jones to be \$1,624,700.

WHITE BROS. BULLETIN NO. 14.

White Bros., of Fifth and Brannan Streets, have just issued their Bulletin No. 14 which covers in a very complete way the present hardwood situation and should be in every builder's hands. Send for a copy.

HIGHWAY BRIDGE PLANNED.

MARYSVILLE, Yuba Co., Cal.—The Supervisors of Nevada County have requested a joint meeting of the Supervisors of Nevada and Yuba Counties to take up the construction of a bridge over the Middle Yuba River at Freeman's Crossing, on the State Highway lateral.

It is understood that the Nevada County Supervisors favor allowing the State Highway Commission to build the bridge as part of the lateral and have the two counties share equally in the expense.

SCHOOL BONDS.

MARTINEZ, Contra Costa Co., Cal.—Bids will be received by the County Supervisors, J. H. Wells, County Clerk, up to August 18th, 11 A. M., for the purchase of the \$94,000 bond issue of the Antioch School District. The proceeds of the sale will finance construction of school improvements. **FRESNO, Fresno Co., Cal.**—Bids will be received by the Fresno County Supervisors, D. M. Barnwell, County Clerk, up to August 5th, 3 P. M., for the purchase of the \$10,000 bond issue of the Rosedale School District, and up to August 11th, 2 P. M., for the purchase of the \$20,000 issue of the Centerville School District. The proceeds of each sale will finance construction of a new school for each district.

REQUEST FOR HOSPITAL YARD WORK WITHDRAWN BY WORKS BOARD.

SAN FRANCISCO.—The Board of Public Works has withdrawn its request of the Supervisors asking that an ordinance be adopted authorizing the calling of bids for the completion of the yard work at the southeast and northeast wing of the San Francisco Hospital, as the work is provided for by Ordinance No. 3079 and 3519 N. S.

HIGHWAY BIDS OPENED.

(By Special Wire.)

MARTINEZ, Contra Costa Co., July 28, 1919.—Bids were opened today for highway work as follows:

Bidders O'Brien Bros. (1); Blanchard, Crocker & Howell (2); A. J. Grier (3); R. B. Blanco (4); Bos & O'Brien (5).

For building a concrete highway on

Division No. 11, which highway begins at a point on the end of Division No. 6 at Bay Point and ends at a point 2 miles west of the town of Pittsburg and including the Main street of Bay Point, a distance of 6.84 miles.

Excavation (1) 70c; (2) \$1.25; over-haul (1) .02; (2) .02; concrete (1) \$13.75; (2) \$13.49; wire mesh (1) .01 8-10; (2) .02½; concrete culvert (1) \$26; (2) \$28.75; iron per pound (1) \$.07 (2) \$.05½ — (1) \$1.11; (2) .13½. Awarded to O'Brien Bros.

For the building of Division No. 12,

JOHN G. ILS & CO.

Manufacturers

FRENCH RANGES and BROILERS

Complete Kitchen and Bakery Outfits

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Excavation (1) \$.70; (2) \$.93; (3) \$1.00.

Overhaul (1) \$.01 8-10; (2) \$.00½; (3) \$.01½.

Concrete (1) \$13.94; (2) \$13.49; (3) \$14.

Wire mesh (1) \$.01 8-10; (2) \$.02½; (3) \$.02.

Awarded to Blanchard, Crocker & Howell.

For building Division No. 13, a concrete highway from the town of Brentwood along the S. P. tracks and present county road to the end of Division No. 3, west of Byron.

Concrete (1) \$10.35; (4) \$10.40; (5) \$11.40.

Wire mesh (1) \$.02; (4) \$.02½; (5) \$.05.

Grading (1) \$.70; (4) \$1.25; (5) \$1.95.

Overhaul (1) \$.02; (4) \$.03; (5) \$.03½.

PLANS FOR TWO BRIDGES ORDERED PREPARED.

SACRAMENTO, Cal. — At the last meeting of the County Supervisors, the County Surveyor was directed to prepare preliminary plans for the Courtland and Freeport bridges, preparatory to submitting them to the War Department.

Government Hospital For Tulare Proposed.

TULARE, Tulare Co., Cal.—Congressman H. E. Barbour has presented a bill asking for the construction of a Government hospital and sanitarium building in Tulare County for the wounded American soldiers. A building costing \$200,000 is asked.

SIX COUNTIES JOIN IN TUBERCULOSIS HOSPITAL.

REDDING, Shasta Co., Cal.—By unanimous vote the Supervisors of Shasta, Modoc, Lassen, Trinity, Butte and Glenn Counties, in convention here, endorsed the plan for the erection of a joint tuberculosis sanitarium on lines similar to the sanitarium operated in Placer County by Sacramento and eleven other counties.

The site will be at some point within the eight counties and will be decided upon later. Further action will be taken at a meeting in Red Bluff on August 29. Several sites have been offered.

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HOW SHALL PROPER RECOGNITION OF THE ENGINEERING PROFESSION BE OBTAINED?

By W. W. K. Sparrow,
Chief Engineer, C. M. & St. P. R. R.,
Chicago, Ill.

National Director, A. A. E.

(Continued from Page 6)

organize the railroad section of the National Association in such a manner that it will serve as an incentive to other branches of the profession to do likewise.

Whether for good or for ill, the individualistic age is almost a thing of the past. We have in the last ten or fifteen years seen some great changes, but the changes in the next ten or fifteen years will, I think, be much greater. It is not so very long ago when a man could beat his horse or his child as much as he liked. Today he cannot, and as an illustration of the restriction that is being placed on the individual, he has not, or soon will not have, the privilege of abusing himself by drinking what he likes.

The movement of the day appears to be in the direction of organization by classes, and the engineering profession ought to be, and I trust is, alive to the movement. Therefore, let us invite the co-operation of all and use our influence in every direction to build up a National Association which will embrace all branches of the profession and have as its object not only the advancement of technical research, but the economic, social, and political welfare of the profession as a whole.—The Monist.

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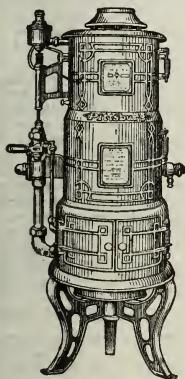
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Published Every Wednesday
Nineteenth Year, No. 33



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Among the Architects

Architect Wm. C. Hays, 1st National Bank Bldg., is preparing preliminary sketches for a modern hospital building to be erected in Petaluma at a cost of \$75,000.

Architect W. H. Keeks, 75 Post St., has been selected to design plans for the proposed \$250,000 Marysville, Yuba County, school buildings. Bonds to finance construction are yet to be voted.

Cahill & Vensano, 110 Sutter street, have been awarded a contract by the Contra Costa Gas Co. for the erection of a one-story steel and concrete gas works to be erected in Pittsburg, Contra Costa County. The building will cost \$12,000.

Plans prepared by Architect B. G. McDougall, Sheldon Bldg., for the new Antioch City Hall have been accepted by the City Trustees and bids will be called in the immediate future.

Architect O. E. Evans, 2569 Mission street, is taking figures for alterations to a two-story frame building at Green and Fillmore streets. The work will cost about \$10,000 and will consist of altering the present structure into modern apartments.

Architect Evans is also taking figures for ten one-story frame bungalows to be erected for the Occidental Investment & Building Co. The buildings will cost from \$3000 to \$4000 each.

Architect T. M. Edwards, 833 Market street, is preparing plans for a two-story hollow tile residence to be erected near Valley Springs, Calaveras County. The building will cost \$40,000.

The same architect is also preparing plans for two two-story frame residences to be erected in San Mateo County, each to cost \$25,000.

Architect Edwards will shortly complete plans for a one and one-half-story frame residence to be erected for Mr. Thompson in San Mateo. This structure will cost \$10,000.

Architect Sam Lightner Hyman, Crocker Bldg., is preparing plans for additions to a building on Post street between Stockton and Grant avenue, for the Gump Art Store. The work is estimated to cost \$50,000.

Architect Jas. A. Magee, Phelan Bldg., is preparing plans for a two-story women's club house to be erected at Salinas, Monterey County, for the Women's Club of that city. The building will cost \$20,000.

Architect Lewis P. Hobart, Crocker Bldg., is preparing plans for a two-story frame residence to be erected in San Mateo Park, San Mateo County, for W. C. Dutton. The building will cost in the neighborhood of \$25,000.

Architect C. O. Clausen, Hearst Bldg., is preparing plans for a two-story and basement frame flat building to be erected at Twenty-ninth and Dolores streets. The building will contain four modern flats and will cost about \$11,000.

Architect August Headman, New Call Bldg., is taking figures for a three-story and basement frame apartment house to be erected for Benj. Schloss in the Park-Presidio District at a cost of \$45,000.

An election will be held in the Pleasant Hill School District, Contra Costa County, August 25th to vote on the question of issuing and selling bonds of \$12,000 with which to erect a new school building. S. L. Dukes, Grace A. Putnam and Theodore Hook are Trustees of the District.

Architect Benj. G. McDougall, Sheldon Bldg., has completed plans and bids are being received for the two-story and basement concrete town hall to be erected at Antioch. The building will be erected at Third and Fourth streets and will cost in the neighborhood of \$45,000.

Architect W. Falch, Hearst Bldg., has completed plans and bids are being received by the owner, St. George Holden. Crocker Bldg., for two residences to be erected in Merritt Terrace. Each building will cost \$10,000 and will contain eight rooms.

City Architect John Reid, Jr., First National Bank Bldg., will prepare plans for the proposed \$90,000 school building to be erected on Harrison street between Tenth and Eleventh streets. A request has been made of the Supervisors by the Board of Public Works to appropriate funds to finance the preparation of plans. The building will contain about twelve class rooms and auditorium.

Emerson Knight, Landscape Engineer, Monadnock Bldg., is preparing plans for residence gardens to cover approximately three acres on the estate of Chas. A. Gale, an attorney, at Pleasanton, Alameda County.

Architect Horace G. Simpson 110 Sutter street, has prepared preliminary studies for twenty workmen's cottages to be erected at Martinez for the Shell Oil Company.

Architect John H. Powers, 460 Montgomery street, has awarded a contract to Geo. W. Buxton & Son, Hearst Bldg., for the construction of the two-story frame and plaster residence to be erected for Oscar Hueter on Vallejo street near Baker. The contract price runs in the neighborhood of \$55,000.

From plans prepared by Architect Chester Cole, Chico, the following bids were received and taken under advisement for the construction of the Cordua, Butte County, school building:

W. R. Campbell, Sacramento, frame construction, \$12,400; concrete construction, \$13,350.

John O. Palm (address unknown), frame construction, \$10,993; no bid for concrete construction received.

W. R. Zumwalt of Willows has been awarded the contract for the Artois, Glenn County, School on his bid of \$29,859 for concrete construction. The only other bidder for the work was J. W. Halterman of Willows at \$29,859.

997. Plans were prepared by Architect J. S. Gould of Colusa.

Architects J. E. Kraft & Sons, Phelan Bldg., is taking figures for reinforcing steel for the one-story reinforced concrete store building to be erected at 273 Minna street for D. O. Neill. The building will cost in the neighborhood of \$6,000.

September 4th is the date set by the Modesto City School District to decide the question of issuing bonds of \$185,000 with which to finance the purchase of school sites, erect additions to the present schools, and construct new buildings.

Members of the Modesto Board of Education are: C. R. Galfus, Ella M. Hazen; C. A. Hansen, Walter Johnson and J. W. Guyler.

FROM WAR TO PEACE IN THE AUTOMOBILE INDUSTRY.

As a single industry the automobile trade did more than its bit to help win the war. Not only did manufacturers come up to specifications in quantity and quality of delivery, but they built better than it was thought they knew how. Proof of this was given the other day when, at an auction of old army cars in France, the French and the English bid higher prices for the cars than they cost the American Government new. An army of men was employed to run these trucks and cars on the firing line. They gained more experience in a month of that sort of work than they could have gained in a lifetime of peace work.

The rolling stock will be left abroad, but the men are coming back. They are being released daily from the military service, and are returning in large number to civilian life. There is no lack of work for them to do. For the fleet of American trucks now coming into use for additional transportation facilities all over the country need just such men—men who have learned how to act in any emergency, who feel almost immediately the idiosyncracies of every motor, who have acquired an efficiency under shell-fire that will make them leaders in their work in peace times.

Col. Arthur Woods, Assistant to the Secretary of War, who is in charge of the re-employment work for ex-service men, announces that a number of such men are now available for private employment. The automobile industry will not lose this opportunity of obtaining men who, to their pre-war ability, have added the exceptional training and experience of months on the firing line. These men will be in demand, and can be obtained through governmental and welfare employment agencies, who will put them in touch with employers who need their services.

TO REPAIR SCHOOL AND SINK WELL.

CARUTHERS, Fresno Co., Cal.—The Trustees of the Caruthers School District have called an election to vote \$3,000 in bonds with which to finance construction of school repairs and sinking a well at the Blakewell school.

Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities on the Pacific Coast.

Issued Weekly, \$4.00 per year

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L. A. LARSEN,

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CITY HALL NEWS.

SAN FRANCISCO.—The Board of Public Works has requested the Supervisors to appropriate \$5,400 to finance the preparation of plans and specifications for a school building to be erected on Harrison street between Tenth and Eleventh Streets. The building will contain about twelve class rooms and will cost in the neighborhood of \$90,000.

Plans will be prepared by City Architect John Reid Jr., 1st National Bank Bldg.

Chas. W. Meehan, Superintendent of Public Buildings, has submitted to the Board of Public Works estimates of cost for a cafeteria department in the Girls High School. The estimates follow:

Furnishing and installing counters, shelves and tables, \$1,800.

Plumbing work, including connection of fixtures, \$250.

Painting, \$60. Total, \$2,110.

The following fixtures will be installed and are not included in the above estimates:

1 Detroit Jewell Range or equal (double oven).

1 2 Compartment Sink, 24x24x14" deep.

1 A-A Crescent dish washer.

1 Set of soiled and clean dish tables, galvanized iron, N. D. construction or equal.

1 Glass Counter for Candy.

1 Steam Table, 7 feet long by 30 inches wide with gas burners beneath M. D. Construction or equal.

78 feet of tray rail.

15 Brass nickel brackets.

1 Refrigerator, No. 1 Bohm syphon with water coil.

1 Drip pan with waste outlet for drinking water.

1 Fill-glass water cock.
2 Aluminum pots and faucets for chocolate, 10 gallons each. Wear-ever aluminum.

Meehan also submitted estimates of cost for shelf work in the Law Library, City Hall, as follows:

Furnish and install 552 sq. ft. spruce shelves and standards, with oak facings, including varnishing, 2 coats, \$1,250.

800 sq. ft. of shelves in corridor and adjoining room, \$800. Total, \$2,050.

Within the next few days the Board of Public Works will request the Supervisors to appropriate \$4,724 for improvements to be made at Branch County Jails Nos. 2 and 3. Electric work, equipment and heating apparatus on this improvement will probably be done by the Repair Department of the City.

AMENDMENTS TO THE COMPENSATION LAWS.

On July 22, 1919, the amendments to the Workmen's Compensation, Insurance and Safety Act, as adopted by the last California Legislature became effective. The Industrial Accident Commission has prepared a summary of these amendments. Approximately seventeen changes were made in the Act.

The waiting period was reduced from ten days to seven days. Compensation will be payable to the injured man on the eighth day after he leaves work as the result of an industrial injury.

When an employee under sixteen years of age is injured, it shall be the presumption that such injury was not caused by serious and wilful misconduct.

Serious and wilful misconduct cannot be charged against the injured employee by the employer if the injury is caused by the failure of the employer to comply with any provision of law or any safety order of the commission with reference to the safety of places of employment.

In claims of serious and wilful misconduct made against the employer, the general superintendent is made responsible for the corporation, as well as the executive or managing officer.

Non-resident aliens are required to prove their dependency and cannot be conclusively presumed to be dependent.

Applications for adjustment of controversies may be filed with the Industrial Accident Commission by the attorney or other representative of an injured employee, if authorized to do so in writing.

A lien against compensation will be permitted for the support of dependents, as well as for the living expenses for the employee.

Self-insurers shall not be required to pay any sums into the State Compensation Insurance Fund to cover liability for compensation, excepting in life pension cases.

It is a misdemeanor not to report forthwith a fatal industrial injury, by either telephone or telegraph, to the Industrial Accident Commission.

An injunction may be issued against an unsafe place of employment if it constitutes a serious menace to employees, provided that such application for an injunction come from the Industrial Accident Commission or a member of the Commission.

The Commission is authorized to tag dangerous machinery and the use of such machinery is prohibited until the tag is removed by an authorized representative of the Commission.

Chapter 183 creates a liability on the part of the employers or their insurance carriers, in addition to any liability heretofore fixed by law, in case of the death of an employee who leaves no dependents. Under such conditions it is required that a death benefit of \$350 be paid and the industrial Accident Commission is authorized to draw upon the fund created for the promotion of re-education and rehabilitation of persons disabled in industry in California. This new law was passed in response to a public demand that crippled men be aided in acquiring new occupations. It will reduce dependency and prove of material benefit to the citizens of the State.

CALIFORNIA RAISIN ASSOCIATION PLANS BIG IMPROVEMENTS.

FRESNO, Fresno Co., Cal.—The California Associated Raisin Co., Fresno, will spend between \$500,000 and \$750,000 during the next year for building construction, including new buildings, additions and the installation of equipment notwithstanding the expenditure of \$350,000 for the same purpose during the past year.

This statement has been confirmed by F. A. Seymour, assistant to the president of the company, who further states that plans for a considerable amount of the construction are now being considered.

SEWER WORK PLANNED.

WOODLAND, Yolo Co., Cal.—The City Trustees are considering the construction of sewers in the Oaks Addition. Definite action will probably be taken at the next meeting.

BRIDGE FLOORING BIDS UNDER ADVISEMENT.

STOCKTON, San Joaquin Co., Cal.—The bid of N. B. White to construct a concrete floor for the bridge near Bellota at \$2,588 has been taken under advisement by the County Supervisors.

American Association of Engineers

The Technical Engineers' Service Organization.

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MINUTES OF THE MEETING OF SAN FRANCISCO CHAPTER, AUGUST 7.

Meeting was called to order by Vice-President J. F. Johnston, in the unavoidable absence of President Knowles, promptly at 7:30. About fifty members were present and took a lively part in the animated discussion that followed the various points brought out during the evening.

Acting President Johnston called first for reports from the different standing committees.

Auditing committee reported having perfected a system of accounts, for the treasurer.

Political committee reported at length on the Townsend Highway Bill now before Congress, and a vote was taken in favor of this bill.

Qualification committee reported a falling off in applications during July as compared with the previous month.

Publicity committee reported that it had secured the use of four pages in every issue of the "Building and Engineering News" for the Chapter, and every member of the A. A. E. who wishes to make his voice heard therein; also that it had sent out a two page letter to every member in California, inviting their co-operation in making these four pages of the utmost benefit to the A. A. E.

Compensation committee reported that work had just been started.

Membership committee reported continued activity along the lines laid out in the campaign circular.

Inter-Chapter Adjustment committee outlined its work and explained adjustments made between Sacramento and San Francisco Chapters.

A communication was then read from National Headquarters, suggesting the adoption of a resolution favoring the proposed action by the National Executive Board making the initiation fee increase by fifty cents instead of two dollars, and thus make the fee \$9.50 by the first of January, 1920, and not \$38.00 as it will be under the present system.

The discussion that followed showed such a diversity of opinion on this subject that the matter was finally laid on the table for future consideration.

A letter was read from the Oregon Chapter secretary, giving some of this Chapter's activities.

National Director P. E. Harroun was present and read a letter from

National Secretary Drayer in answer to a request made by Mr. Harroun for action on the appointment of a western secretary. Action on this matter is now being held in abeyance pending the arrival of National President Newell.

Vice-President Johnston reported that in compliance with telegraphic request from National Headquarters, a committee had been appointed to make arrangements for a general meeting for engineers with Mr. Newell, who will be here on the 27th of August. The personnel of the committee is as follows: Wollner, Phelps, Johnston, Howland, Kessing. Detailed program will be announced later.

The By-Laws committee then read the report by By-Laws and Constitution for the Chapter, and the animated discussion that followed the reading of almost every section showed that the members took a keen and intelligent interest in the work on hand.

SACRAMENTO CHAPTER ORGANIZES.

W. S. Caruthers was elected President of the Sacramento Chapter of the American Association of Engineers at a meeting held recently. R. E. Dodge and Raymond Walsh were appointed delegates to a State convention, at which it is planned to organize a State Council of Engineers.

The other officers chosen for the Sacramento Chapter are: F. B. Gillette, First Vice-President; Raymond Walsh, Second Vice-President; G. H. P. Lichthardt, Third Vice-President, and H. A. Lathrop, Secretary and Treasurer.

The local chapter was formed recently and has grown to a membership of nearly 100.

TECHNICAL MEN ORGANIZE.

On July 8th in San Francisco, Cal., the technical men employed by the S. P. R. R., meeting as professional men, organized a section of the American Association of Engineers, electing Mr. H. I. Benjamin, President; Mr. Lewis E. Johnson, Secretary, and Mr. Ward H. Rupp, Treasurer. An active membership campaign has been carried out with the result that in less time than a month 95% of the technical men employed by the Southern Pacific Railroad have either actually joined, or have given their affiliation blanks to this organization. That there is a great need for such an organization has been fully demonstrated by the great number of inquiries that have now reached the organization's headquarters.

Letters are now on their way to Chicago for the initial opening of this organization's campaign for the betterment of the Engineer's standing

in the communities where they conduct their activities, and it is only by unified and direct action that the body of men represented expect to bring themselves to a position where they will command the respect of other professional men, who have been organized in like institutions for many years.

The American Association of Engineers seems to give to the Engineering profession something that other Engineering societies have failed to bring out. Namely, the economic welfare of its members, which is of the greatest importance to us in this day, when costs of everything are mounting to the heights that are reached only by the more fortunate, and surely the Engineer now is not among the fortunate. Comparing his earnings with those of the trades and of labor, that the Engineer directs, so far as remuneration is concerned, it is better to occupy any place in the organization that has not the responsibilities the man, or rather, the Civil Engineer has, who directs the work. The term "Engineer" is used and embraces all classes of Engineering.

To technical men who have not given their thought to an organization a few well directed inquiries are made as to why, but usually there is only one response, "I'll think it over." Thinking too long without action is not going to bear the fruit that this organization hopes to produce, and, with the best talent in the United States backing an organization, the American Association of Engineers ought to prosper and succeed. We of the S. P. R. R. Sec., are trying to make it our business that success is the ultimate goal.

Inquiries will be received and given attention and action will result for any such inquiries when directed to the Secretary at 1035 S. P. Bldg., 65 Market St., San Francisco, Calif.

STATE CORPORATION DEPARTMENT.

SACRAMENTO, July. 22.—Three Amendments to the Corporate Securities Act, passed by the last session of the Legislature, and approved by Governor Stephens are now in effect. They make important changes in the law, among which are provisions eliminating overlapping between the State Corporation Department and the State Railroad Commission and State Banking Department.

Heretofore control of the issuing of securities by interurban motorbus companies was duplicated, because both the Corporation Department and the Railroad Commission has to authorize the sales and issue. A few words in the act, so that hereafter these companies will require only the

permission of the Railroad Commission before issuing securities. The words dropped from the old act are: "and to the Public Utilities Act."

Another amendment relieves California banking corporations from the necessity of making application to the Corporation Department for permission to sell and issue securities. Heretofore all California banking companies, organized since the effective date of the Corporate Securities Act, were obliged to apply to the Commissioner of Corporations for authority to issue share of their capital stock.

This was necessary because they could not engage in banking before selling or issuing stock. After they entered the business of banking such corporations were released from the supervision of the Corporation Department, and, thereafter were under control of the Superintendent of Banks.

The third amendment, which relates to trustees, supplies certain words inadvertently omitted when the act of 1917 was passed. These words definitely designate the kind of trustees exempt from the provisions of the act. They remove any doubt concerning the meaning of the section.

Hereafter trustees, representing foreign corporations cannot enter California with shares of stock and dispose of them in competition with legitimate California stock, without supervision from the Corporation Department.

Commissioner of Corporations E. C. Bellows proposed this amendment for the purpose of giving more protection to California corporations and California investors by making it impossible for foreign corporations of the wild cat species to come into the state and take the money which should go into legitimate business and for the development of legitimate enterprises.

The Corporation Department has printed copies of the Corporate Securities Act as amended, and these will be delivered upon request to those desiring them.

YOUR JOB.

By Henry Ford.

There are men who get themselves ahead regardless of whether their job goes ahead or not—self-boosters; but these men are soon looking for other things.

There are men who get way ahead of their jobs, in which case they must be given more and greater opportunities to progress.

But the man who goes ahead with the job and on the job and by reason of the job, is the man who makes the most substantial progress.

This may sound very much like some of the advice that was given us when we were young, but there is one quality about most of the advice we got then which we ought not to overlook—it was good and true; and much of it is just as true today as it was then.

The job is the barometer of the man. No matter what it is, you can always tell how much of industry, judgment and carefulness a man brings to his work by watching how

he does what he is doing.

Just now there are more menial jobs than there will be in the future; and as long as there are menial jobs, someone will have to do them; but there is no reason why a man should be penalized because his job is "menial."

There is one thing that can be said about "menial" jobs that cannot be said about a great many so-called more responsible jobs, and that is, they are useful and they are respectable and they are honest.

Did you ever see dishonest callouses on a man's hand? Hardly. When men's hands are calloused and women's hands are worn, you may be sure that Honesty is there. And that's more than you can say about many soft, white hands!

But even so the time is coming when the hand will not be subjected to so much hard work as falls to it today. Steel fingers and arms will do many things that fleshly fingers and arms now do, and a part of at least the physical burden will be lifted off our race.

It is very natural for a man who is alive in his mind and vigorous in his ambition to desire a job that is fit for him. But does he ever stop to think of this: What is to hinder any job being made fit for any man?

There is not so much difference between men as we sometimes think. We like to classify men by races or intelligence or business success, and intelligence or business success, and are "superior" and "inferior" people.

But any man who knows his own heart and his fellow men, knows there is scarcely any fundamental difference between human beings. There is more real difference between two breeds of dogs than there is between the most highly cultivated man in the world and the most unfortunate mortal. Our likeness to one another is astonishing. It ought to keep us more balanced in our judgments of our fellow men.

People classify men according to false standards, and are quite satisfied to do so—why? Because by this means they can always contrive to make themselves appear "superior" to someone. No matter how many people may be superior to them, if they can only be superior to men inferior still, that fully satisfies those who hanker after human gradations.

One of the reasons the man who is engaged in hand-work wants some other kind of work is this: he fancies that somehow hand-work is a little lower than head-work. Well, that formerly was the theory. But it isn't so any longer. Thank heaven! the hand-worker can at last come into his own, and even measured by the financial rewards he is on a higher plane than many so-called "head workers." Many a man wears a white collar who isn't earning what a grimy hander is paid today.

But perhaps there is another and deeper reason why men sometimes grow discontented and seek a change; they want a career, and the job they have may not seem to promise a career. Again the question comes: Have you ever studied your own job from the standpoint of making it a worthy life career?

You know, if these things are to be

done, somebody must do them. If we simply desert our jobs, leaving them to whomsoever happens along, we are not making the world much better for our fellow men. If the man who follows you on the job is going to be up against the same conditions that you were, the world has not moved forward one step so far as that particular job is concerned.

Then, if someone is destined to do these things, why not you. Who knows the job better than you do? It is quite possible that men do not always find their career in the first job they get, nor always in the second. But this much is true: Every job is destined to become in some sense some man's career, and if that is true it ought to be so adjusted as to make a worthy career for him. Every time a job is improved, it breeds more of them, and by its influence makes better the jobs around it.—Lefax.

POST-WAR DEMANDS FOR FUNDS BIG.

California industries are now distributing their products in the world markets. The State and its business enterprises no longer have a provincial outlook. The world is their customer. Prices are high; production and distribution costs are big.

Big machinery and greater financial resources are now required in the conduct of business.

Result—much new financing on the horizon.

"Manufacturers, both large and small and developers of land and irrigation projects arrive at a period in their business life when they are not able to secure funds in sufficient amounts for the necessary length of time to finance their growing businesses," said T. C. Fognazzini, Vice-President of the Anglo-California Trust Company, today. "The Anglo-California Trust Company is endeavoring to be of real service to many industries and individuals in this community. Our plan of safe keeping Liberty bonds for the public, free of charge, has been a distinct service to the individual, and now our officers have decided to offer a financing service to manufacturers and developers of worthy enterprises. In a few words, the service is just this—we will buy outright the entire bond issues of successful going concerns.

"The security of the bond issues will be closely examined by our officers and will be based upon the value of the real estate and earning power of the business. This is a conservative method of financing that will appeal to progressive business men.

"To indicate how the plan will work, let us cite the case of a successful San Francisco corporation that has made a splendid record of growth and industry. The business has outgrown its present factory and the corporation wishes to enlarge.

"If the real estate assets, earning power and future possibilities of the business warrant a bond issue, we will finance the concern for the necessary amount, handling all of the details of the transaction, giving it the benefit of our business experience so that the transition period can be bridged safely and sanely."—S. F. Call.

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Chapter Meeting Night, First Thursday Every Month at 7:30 P. M.
Commercial Club, Merchants Exchange Bldg.

Committee Meeting Every Friday, 7:30 P. M. at Chapter Office.

San Francisco Chapter Office, 700 Marston Bldg.

A. G. Mott, Secretary

244 Kearny St., S. F.

ADVANCE NEWS

Official Proposals, Etc.

Plans Being Prepared. Cost, \$75,000

HOSPITAL
PETALUMA, Cal.
Hospital building.
Owner—City of Petaluma.
Architect—W. C. Hays, 1st National Bank Bldg., San Francisco.

Plans are maturing for a new hospital building to replace the old building. Tentative sketches embracing three schemes have been submitted by Architect Hays.

Contract Awarded. Cost, \$12,000

GAS WORKS
PITTSBURG, Contra Costa Co., Cal.
One-story concrete and steel gas works.
Owner—The Contra Costa Gas Co., Pittsburg, Cal.

Designer—L. B. Jones, Care Contractors, 110 Sutter St., San Francisco
Contractor—Cahill & Vensano, 110 Sutter St., San Francisco.

Contract Awarded. OFFICE AND STORE BUILDING

Cost, \$1,000,000.
HONOLULU, H. I.
Four-story reinforced concrete office and store building covering entire block.

Owner—C. O. H. Davies & Co., Ltd., Honolulu.
Architect—Louis Mulgardt, Chronicle Bldg., San Francisco.
Contractor—Pacifi-Constr. Co. of Honolulu.

Plans Being Prepared. Cost, \$6,000

HALL.
SMITH RIVER, Del Norte Co., Calif.
One story frame (80x116) community center hall building.
Owner—Residents of Town. (Funds raised by popular subscription).
Architect—Newton Ackerman, Eureka, Calif.

Plans Nearing Completion.

GYMNASIUM & AUDITORIUM.
FORTUNA, Humboldt Co., Cal.
Gymnasium and auditorium building, 140x70. Auditorium portion of building will be 90x60, with seating capacity of 900.
Owner—Fortuna School District.
Architect—Frank T. Georgeson, Eureka, Calif.

Plans provide for steam heat, hot water system, locker rooms, showers, etc.

Bids to be Called Shortly. SCHOOL, ETC. Cost, \$125,000

YUMA, Arizona.
Two-story and basement brick school, 16 class rooms, domestic science and manual training departments, auditorium with seating capacity of 700.
Owner—Yuma School District.

Architects—Norman F. Marsh, 211 Broadway Central Bldg., Los Angeles and V. O. Wallingford, Associate, Phoenix, Arizona.

Plans Being Figured.

RESIDENCE Cost, \$9,000
SARATOGA, Santa Clara Co., Cal.
One-story frame residence.
Owner—O. K. Cushing.
Architect—W. C. Hays, 1st National Bank Bldg., San Francisco.

Contract Awarded. ALTERATIONS Cost, \$—

BERKELEY, Alameda Co., Cal.
Alter residence.
Owner—Benj. I. Wheeler.
Architect—W. C. Hays, 1st National Bank Bldg., San Francisco.
Contractor—Robt. Trost, 26th and Howard Sts., San Francisco.

Contract Awarded. APARTMENTS Cost, \$15,000

SACRAMENTO, Cal. Nos. 1812-14 O Street.

Three-story frame apartments (7 3-room apts).

Owner—J. S. Joquith.
Architect—Not Given.
Contractor—C. E. Harvie, 2212 T St., Sacramento.

Plans Being Prepared. Cost, \$25,000

RESIDENCE
SAN MATEO, San Mateo Co., Cal. San Mateo Park.
Two-story frame residence.
Owner—W. C. Dutton.
Architect—Lewis P. Hobart, Crocker Bldg., San Francisco.

CLUB HOUSE Cost, \$50,000

SEATTLE, Wash. Montlake Park.
Two-story frame and plaster club house.
Owner—Seattle Yacht Club.
Architect—John Graham, L. C. Smith Bldg., Seattle, Wash.
Contractors—Syllaasen & Sando, Downs Block, Seattle, Wash.

Plans Completed. GYMNASIUM, ETC. Cost, \$22,000

ASTORIA, Ore.
One-story concrete gymnasium and drill hall, 120x50.
Owner—Astoria High School District.
Architect—J. E. Wicks, Astoria, Ore.

Preliminary Plans Prepared. ADDITION Cost, \$—

LOS ANGELES, Cal. 8th and Broadway.
Four-story addition (steel frame and reinforced concrete department store)
Owner—A. Hamburger & Sons.
Architect—Albert C. Martin, Higgins Bldg., Los Angeles.

Contract Awarded. CLASS "A" OFFICES Cost, \$250,000

PHOENIX, Arizona.
Four-story Class "A" office building, 70x148 (68 offices).
Owner—Dwight B. Heard et al.
Architect—L. A. Parker, Pacific Electric Bldg., Los Angeles.
Contractor—J. W. Martin, Phoenix.

Contract Awarded. RESIDENCES Cost, \$19,162

LOS ANGELES, Cal. Carlos Avenue and Gower Street.
Two two-story frame and plaster double residences (12 rooms).
Owner—William H. Hubbard.
Architect—Arthur S. Heineman, San Fernando Bldg., Los Angeles.
Contractor—The De Luxe Bldg. Co., Union League Bldg., Los Angeles

Preliminary Plans Prepared. CLASS "A" STORES AND OFFICES Cost, \$2,500,000.

LOS ANGELES, Cal. Sixth and Grand Avenue.
Twelve-story Class "A" store and office building, 218x170.
Owner—Pacific Mutual Life Insurance Company.
Architect—W. J. Dodd and Engineer Wm. Richards, Brack-Shops Bldg Los Angeles.

Figures for Reinforcing Steel Being Taken. STORE Cost, \$6,000

SAN FRANCISCO. No. 273 Minna Street.
One-story reinforced concrete store.
Owner—D. O. Neill.
Architects—J. E. Kraft & Son, Phelan Bldg., San Francisco.
Lot is now being graded.

Bids in and Under Advise. BUNGALOW Cost, \$6,000

CORINTHIAN ISLANDS near Belvedere, Marin Co., Cal.
One-story frame single bungalow.
Owner—David Donzel.
Architects—Julius Kraft & Son, Phelan Bldg., San Francisco.
O. C. Holt, 110 Jessie St., San Francisco, low man.

OFFICE BLDG. Cost, \$130,000

Contract Awarded. To be Done by Days Work.
OAKLAND, Cal. Sixteenth Street, bet. San Pablo and Telegraph Aves.
Four-story reinforced concrete office building.
Owner—East Bay Water Co., 9th and Broadway, Oakland.

Architect—Wm. Knowles, Hearst Bldg., San Francisco.
Plans Being Prepared. WAREHOUSE, ETC. Cost, \$750,000
SACRAMENTO, Cal.
Two and three-story warehouse and factory building.
Owner—California Packing Corp., 101 California St., San Francisco.
Engineer—Phillip L. Bush, 101 California St., San Francisco.
Work expected to start in 60 days.

Preliminary Studies Being Made. COTTAGES Cost, \$—

MARTINEZ, Contra Costa Co., Cal. 20 workmen's cottages.
Owner—Shell Oil Co.
Architect—Horace G. Simpson, French Bank Bldg., 110 Sutter St., San Francisco.

Contract Awarded.
RESIDENCE. Cost, \$55,000
SAN FRANCISCO. Vallejo Street
near Baker Street.
Two-story frame and plaster residence and garage.
Owner—Oscar Hueter.
Architect—John H. Powers, 460 Montgomery St., San Francisco.
Contractor—Geo. W. Boxton & Son, Hearst Bldg., San Francisco.
(26943) 1st report May 22, 1919. R
Last June the grading and foundation work was let to J. Pasqualetti. Contracts for plumbing, heating, wiring, etc., not yet let.

STERILIZING PLANT. Cost, \$35,000
MODESTO, Stanislaus Co., Cal. North part of City.

Two-story reinforced concrete with steel frame sterilizing plant, 75x90. Plans provide for installation of tanks, etc.

Owner—Borden Condensed Milk Co., C. D. Van Derson, Superintendent, Modesto, Calif.
Architect—J. Mazurette, Modesto, Cal.

Plans Complete. Funds to be Raised by Direct Tax.

SCHOOL. Cost, \$6,000
ORICK, Humboldt Co., Cal.

Frame school building.
Owner—Orick School District.
Architect—Not Given.

Plans are now in the hands of the County Superintendent of Schools.

Contract Awarded.
ARMORY. Cost, \$36,161
MARSHFIELD, Ore.

One story (150x200) fireproof armory.
Owner—State of Oregon.
Architect—Claussen & Claussen, Portland, Ore.
Contractor—Hibander & Corey, Marshfield, Ore.

Contract Awarded.
SCHOOL. Cost, \$22,430
MENDOTA, Fresno Co., Cal.

One-story frame and plaster school (3 rooms; tile roof).
Owner—Mendota School District.
Architect—Ernest J. Kump, Fresno.
Contractor—James L. Daly, Fresno.

Plans Being Figured. Bids Close Aug. 15th, 1919.

GYMNASIUM. Cost, \$—
HANFORD, Kings Co., Cal.
High school gymnasium.
Owner—Kings County High School District.

Architect—Ernest J. Kump, Fresno.
Plans may be had from the office of the Architect.

W. H. Weeks to Submit Sketches For Santa Rosa Schools.

SANTA ROSA, Sonoma Co., Cal.—A meeting has been called by the School Trustees to discuss the proposed two school buildings which it is planned to erect in the near future.
Architect—W. H. Weeks, 75 Post St., San Francisco, will submit sketches for the buildings.

WOODLAND, Yolo Co., Cal.—The Clark & Henery Constr. Co., has been awarded the contract for the paving of South First street, from plans prepared by City Engineer Asa Proctor on his bid of 16.7 cents per square foot.

SUB-CONTRACTS LET FOR STANDARD OIL BUILDING AT RICHMOND.

RICHMOND, Contra Costa Co., Cal.—The following sub-contracts have been awarded by the Standard Oil Co. in connection with the new laboratory building now under construction:

Ne Page-McKinney Co., \$3858 for electrical work.

James T. Ludlow, \$5425, for refrigerating plant.

Mangrum & Otter, \$18,429, floor and wall tile.

California Artistic Metal & Wire Co., \$5979, exterior and interior ornamental iron and bronze work.

Joseph Musto Sons-Keenan Co., \$8770, interior marble and terrazzo work.

Herman Bosch, \$3950, plain and ornamental plastering.

SCHOOL BIDS OPENED.

GRANGEVILLE, Kings Co., Cal.—James L. Daly of Fresno submitted the lowest bid for the construction of the Grangeville school building at \$34,158 for brick construction, and will probably be awarded the contract. Plans were prepared by Architect Ernest J. Kump of Fresno.

SCHOOL BONDS SOLD.

HILMAR, Merced Co., Cal.—The County Supervisors have sold the \$12,000 bond issue of the Hilmar School District. Proceeds of the sale will finance construction of a new school building.

SCHOOL BONDS CARRY.

NICOLAUS, Sutter Co., Cal.—Bonds of \$8,000 to finance construction of a new school building have been voted in the Nicolaus School District.

YREKA DISTRICT TO HOLD BOND ELECTION.

YREKA, Siskiyou Co., Cal.—The election recently held, and at which time bonds in the amount of \$38,000 were voted for financing the construction of a new school building, has been declared illegal. An election has now been called to vote on the same question.

Plans for the building have already been prepared by Architect Henry C. Smith, Humboldt Bank Bldg., San Francisco.

TULARE COUNTY TO ERECT HALL OF RECORDS.

VISALIA, Tulare Co., Cal.—The Board of Supervisors of Tulare County has taken an option on property adjoining the Masonic Temple as a site for the proposed hall of records building. The present courthouse is inadequate, making it necessary to maintain county offices in private buildings.

Y. M. C. A. BUILDING FOR SOUTH SAN FRANCISCO PLANNED.

SOUTH SAN FRANCISCO, San Mateo Co., Cal.—A \$100,000 Y. M. C. A. building is planned for South San Francisco. L. L. Pierce, General Secretary of the Metropolitan Association of the Y. M. C. A., has been in this city urging business men to back the proposed scheme. A committee to investigate cost, etc., has been appointed and is composed of the following:

Chairman, F. S. Dooley; P. R.

Thompson, of the Pacific Coast Steel Co.; A. Hynding, of the Western Meat Co.; and E. C. Peck, of the South San Francisco Land Co.

SCHOOL BONDS SOLD.

FRESNO, Fresno Co., Cal.—The Fresno County Supervisors have sold the \$20,500 bond issue of the Mendota School District and work on the building, to be financed through the sale of the bonds, will be started in the near future.

No bids were received by the Board for the \$10,000 bond issue of the Rosedale School District. These will probably be purchased by the County Treasurer.

BRIDGE APPROACH SURVEY COMPLETE.

YUBA CITY, Sutter Co., Cal.—County Surveyor Edward Von Geldern has completed the survey of the Feather River bridge approach and will present his report to the Supervisors at the next meeting, regarding costs, etc.

(28579) 1st report July 12, 1919. E

ROAD BIDS REJECTED.

YREKA, Siskiyou Co., Cal.—The County Supervisors have rejected the bid of L. W. Cousins of Yreka for the construction of a change in the Seiad road and for fencing same. The bid was \$4,200 and was considered excessive. W. J. Neilson is County Clerk.

Contract Awarded For School Repairs

GRASS VALLEY, Nevada Co., Cal.—The contract for the repairs and shingling of the Columbus School building has been awarded by the City Board of Education to C. E. Wilson of Grass Valley on his bid of \$974, this being the only bid received.

HOSPITAL OIL BURNING SYSTEM AWARDED.

SACRAMENTO, Cal.—The bid of the Mathews Construction Co., Sacramento, has been accepted for the installation of an oil burning equipment in the joint tubercular hospital to be erected at Weimer, Placer County. The bid was \$15,750.

ARTOIS SCHOOL CONTRACT AWARDED.

ARTOIS, Glenn Co., Cal.—The contract for the construction of the Artois School building has been awarded to W. R. Zumwalt of Willows at \$29,859 for concrete construction. The other bidder was J. W. Halterman of Willows at \$29,997.

The building will be one-story in height. Plans were prepared by Architect J. S. Gould of Colusa.

SWIMMING POOL BONDS.

VISALIA, Tulare Co., Cal.—Preparations are being made here to call an election to vote bonds with which to finance construction of a municipal swimming pool.

The matter will be discussed at the next meeting of the City Trustees.

GOLDEN GATE IRON WORKS SECURE LARGE CONTRACT.

The Golden Gate Iron Works were awarded the contract for the structural steel for the Rosenberg job on Geary and Taylor Streets at \$27,500. Joseph Cahen, Architect.

BERKELEY COUNCIL WANTS STREET MACHINERY BIDS.

BERKELEY, Alameda Co., Cal.—Bids will be received by City Clerk A. G. Briggs up to August 15th, 10 A. M., for furnishing a giant road and street planer for the Street Department. Copies of specifications may be obtained from the office of the City Clerk, City Hall, Berkeley.

Each bid must be accompanied by a certified check in a sum not less than

ARTOIS SCHOOL BIDS OVER ESTIMATE.

ARTOIS, Glenn Co., Cal.—Bids received by the Trustees of the Artois school District are \$3,000 over the amount on hand for construction. Three bids were submitted as follows:

W. R. Zumwalt, \$28,944; J. W. Halterman, \$28,977, and A. Lynch, \$28,997. There was a difference of only \$53 in the bids of Zumwalt and Halterman, while the bid of Lynch was not considered, as it was late in reaching the board.

It is planned by the School Board to omit certain work so as to bring the cost within the amount available for construction.

BONDS FOR FIRE EQUIPMENT.

SAN LEANDRO, Alameda Co., Cal.—Fire Chief Budd Ebner has recommended to the City Board of Trustees that an election be called to vote bonds in the sum of \$25,000 with which to improve the fire fighting facilities of the city. The installation of a modern fire alarm system, costing about \$15,000 and the purchase of a Seagrave pressure pump, chemical tank and hose truck is planned. The latter will cost about \$10,000 fully equipped. of Trustees.

BOARD OF PUBLIC WORKS TO CALL GARAGE BIDS.

SAN FRANCISCO.—The Board of Public Works will, in the next few days, call for bids for the construction of a garage building in connection with heating and ventilating and alterations of the Central Fire Alarm station.

Plans for the work have already been approved. The Board is awaiting an appropriation from the Supervisors to finance construction.

WINNEMUCCA COURT HOUSE CONTRACT AWARDED.

WINNEMUCCA, Nev.—Howard S. Williams, Hearst Bldg., San Francisco, was low bidder for construction of the Winnemucca Court House at \$126,000 without grading, mechanical equipment and finish hardware. F. J. De Longchamps of Reno, Nevada, architect.

McLeran & Peterson's bid of \$146,000 included all work.

MUNICIPAL POWER PLANT SURVEY STARTED.

CHICO, Butte Co., Cal.—Preliminary surveys of the proposed site for a municipal power plant for Chico has been started by City Engineer F. S. Robinson. Surveyors are now working in Chico canyon. Upon the cost of installing the plant will depend future action by the City Board

PROPOSED DAM IS APPROVED BY FARMERS IN OAKDALE SECTION.

OAKDALE, Stanislaus Co., Cal.—Land owners in the Orange Blossom section have joined with the Valley Home Water Users in approval of the proposed dam at Melones site.

Figures submitted by President Harry S. Crowe to the land owners show that the reservoir will cost about a million and a half dollars and store about 100,000 acre feet of water. The cost of this dam is estimated at a little less than a million dollars, and of a channel to take care of the diverted water, \$300,000. The remainder is estimated as necessary for acquiring the dam site and of land needed for the reservoir.

PAYING PLANS ADOPTED.

MARYSVILLE, Yuba Co., Cal.—The City Council has adopted plans of City Engineer W. M. Meek for the paving of Fifth street, B to D; Sixth street, A to C, and D street, Fifth to Ninth. A call for bids will probably be issued within the next few days.

HALF MILLION FOR ROADS IN PLACER COUNTY PLANNED.

AUBURN, Placer Co., Cal.—The County Supervisors have decided to call a bond election in the immediate future to decide the question of issuing and selling bonds of \$500,000 with which to finance the construction of highways and improve the present roads.

It is planned to improve the road from Auburn to the Nevada County line near Truckee, and to build roads running to State highway trunk lines.

LABOR TEMPLE FOR STOCKTON.

STOCKTON, San Joaquin Co., Cal.—The San Joaquin County Labor Temple Association has started a campaign to secure funds with which to erect a new labor temple in this city. It is planned to issue stock to the amount of \$75,000.

FARM BUREAU ALTERATION BIDS UNDER ADVISEMENT.

STOCKTON, San Joaquin Co., Cal.—The bid of D. Burns at \$2,493 for altering the Coffee Club building for a county headquarters and rest room for women and for the home demonstration department of the Farm Bureau was considered by the County Supervisors \$900 too high, and will probably be rejected.

MUNICIPAL HOSPITAL FOR VISALIA PLANNED.

VISALIA, Tulare Co., Cal.—R. L. Sherrer, proprietor of a large hospital supply house in Los Angeles, is in Visalia to urge the construction of a \$100,000 municipal hospital. Taking an important part in the conferences had by Sherrer with the City Trustees regarding the building are: The Visalia Board of Trade, the Visalia Commercial Club and the directors of the Visalia Hospital, Inc., the last named being a corporation recently created for establishment of a hospital here. It was stated that the Visalia Hospital Association would be willing, under the proper showing for success of the project, to turn over the stock subscribed towards creation of its \$100,000 enterprise to another association that appeared more attainable.

FRESNO WILL SELL LAND TO SECURE FIRE HOUSE FUNDS.

FRESNO, Fresno Co., Cal.—The City Trustees have decided to sell four pieces of city owned property and from the sale secure funds with which to finance construction of four new fire houses.

Chas. Dillon is City Clerk of Fresno.

TO PURCHASE MOTOR FIRE ENGINE.

FERNDALE, Humboldt Co., Cal.—The Ferndale Farm Center has voted to purchase a motor fire engine for the protection of the Eel river valley. The machine is estimated to cost \$3,000.

SCHOOL TOILET SYSTEM BIDS REJECTED.

CHICO, Butte Co., Cal.—The Board of School Trustees has rejected the bid of the Nichols Hardware Company of Chico for the improvement of the toilets in the Salem street school, and will call for new bids. The first call for bids provided for the installation of a specified fixture. The new call will not provide for any special make.

EUREKA TO BOND FOR MUNICIPAL IMPROVEMENTS.

EUREKA, Humboldt Co., Cal.—September 15th is the date set by the City Council to vote on the question of issuing bonds of \$275,000 with which to finance construction of an auditorium, swimming baths and other improvements.

BRIDGE FUNDS APPROPRIATED.

MARYSVILLE, Yuba Co., Cal.—The Yuba County Supervisors have sent notice to the Supervisors of Nevada County advising that Board that they have appropriated \$10,000 for the construction of a new or repairing of the old bridge over the middle fork of the Yuba river at Freeman's Crossing.

It is probable that the Nevada County will appropriate a like amount and put the work under way.

IRRIGATION SYSTEM PLAN.

PLACERVILLE, El Dorado Co., Cal.—Seth G. Beach has been appointed Chairman of a committee planning the formation of an irrigation district involving 30,000 acres in the central part of El Dorado County, to secure estimates of cost, etc., for the proposed system. An election organizing the district will be called within the next few weeks, when an engineer will probably be selected to work out a plan of construction.

STREET IMPROVEMENT CONTRACT AWARDED.

SELMA, Fresno Co., Cal.—Hugh Crumney has been awarded a contract by the City Trustees for paving four miles of streets at approximately \$160,000. The streets to be paved all lead to the highway.

SAN FRANCISCO ENGINEER TO HANDLE DIXON PAVING.

DIXON, Solano Co., Cal.—Engineer Chas. Sloan, Nevada Bank Bldg., San Francisco, has been engaged by the Dixon Trustees to handle the engineering work in connection with the paving of the main streets of Dixon, connecting both ends with the State Highway.

CONTRACTS AWARDED

Liens, Acceptances, Etc.

BUILDING CONTRACTS.

San Francisco County.

No.	Owner	Contractor	Am't.
1568	Bercovich Home Mfg Co	2200	
1569	Regal Shoe Regal Shoe	2450	
1570	Hoagland Coggin	1200	
1571	Arnold Pearson	900	
1572	Nuttall Robinson	10000	
1573	Amer Motor Barrett	45840	
1574	Same Snook	1548	
1575	Steinberger Cavanagh	31300	
1576	Andrian Dravillas	2000	
1577	Otis Cole	500	
1578	Billings Collman	460	
1579	Bresino Bresino	450	
1580	Royal Barlow	400	
1581	R C Archbishop Scott	6669	
1582	Winter Johnson	2475	
1583	Warbur Scott	1241	
1584	Same De Lew	1658	
1585	Same Zelinsky	1500	
1586	Bercovich Howe	4700	
1587	Gray Leigh	4500	
1588	Moeller Leigh	4500	
1589	S P Co. Flinn	3800	
1590	Cohen Reilly	21479	
1591	Blum's Kulchar	3990	
1592	Allred Allred	6000	
1593	Same Same	4000	
1594	Wilhelm Wilhelm	3000	
1595	Hamill Hamill	3000	
1596	Pratt Pratt	3000	
1597	Muir Muir	900	
1598	Realty Inv. Co. Grace	987	
1599	Scholten Owner	1075	
1600	Hee Tai Wo. Owner	1200	
1601	Erichs S F Oven Co	1110	
1602	Colichia Sorbi	6000	
1603	Leopold Reedy	7600	
1604	Augsbury Taylor	7000	
1605	McDouough Owner	3800	
1606	Leighton Glaser	1100	
1607	Oliver Houle	3800	
1608	Hazleth Owner	1000	
1609	St. Francis Morton	8000	
1610	Balfour Walker	750000	
1611	Fifth St. Co. Lawson	26533	
1612	Sargeant Garden	2000	
1613	Carstens Petersen	2000	
1614	Oyen Medhurst	8000	
1615	McCaw Hamill	3000	
1616	Crocker Samuelson	2750	
1617	Fiala McCormick	2500	
1618	Sharon Page	900	
1619	Fleishacker Robinson	2500	
1620	Perkins Perkins	1000	
1621	Dignan Hamill	6480	
1622	Furlong Reader	9900	
1623	Edelstein Abrahams	6000	
1624	Rosenberg Braunt	65000	
1625	Wagstaff Diestel	963	

ALTERATIONS

(1568) NE O'FARRELL & POWELL.
Alter store.

Owner—H. Bercovich Cigar Co., Cor.
Sacramento and Montgomery, S F
Architect—Alfred H. Jacobs, 110
Sutter, San Francisco.
Contractor—Home Mfg. Co., 543 Bran-
nan, San Francisco.

COST, \$2200

ALTERATIONS

(1569) NO. 772 MARKET. Alter store

Owner—Regal Shoe Co., Premises.

Architect—Albert Schroeffer, Nevada

Bank Bldg., San Francisco.

Day's work. COST, \$2450

ALTERATIONS

(1570) NO. 908 MARKET. Cut in
door and erect 3 dental rooms.

Owner—Dr. Hoagland, Premises.

Architect—None.

Contractor—L. M. Coggin, 115 Turk,
San Francisco.

COST, \$1200

UNDERPIN

(1571) NE VAN NESS AVE AND
Willow. Underpin north wall of
apartments.

Owner—Ella H. Arnold, Care Archi-
tect.

Architect—Albert Svhroepfer, Nevada

Bank Bldg., San Francisco.

Contractor—E. K. Pearson, 2372 Bry-
ant, San Francisco.

COST, \$900

ALTERATIONS

(1572) NO. 2622 JACKSON. Alter &
repair dwelling.

Owner—Mrs. Nuttall, 1819 Jackson St.,
San Francisco.

Architect—Heller & Wilson, — Post,
San Francisco.

Contractor—Robinson & Gillespie,
1051 Sutter, San Francisco.

COST, \$10,000

SERVICE BUILDING

(1573) SW POST AND GOUGH. Re-
inforced concrete service building.

Owner—American Motor Repair Co.

Architect—Sylvain Schnaittacher, 233

Post St., San Francisco.

Contractor—J. F. Barrett and H. H.
Hilp (as Barrett & Hilp), Sharon

Bldg., San Francisco.

Filed Aug. 4, '19. Dated May 29, '19.

Progressive payments on 3rd of
each month

Usual 35 days. Balance

TOTAL COST, \$45,840

Bond, \$22,920. Sureties, Albert Lach-
man and J. A. Casey. Limit, 35 work-
ing days from July 21. Forfeit, \$20.

Plans and specifications filed.

BUILDING

(1574) PLUMBING ON ABOVE.
Contractor—Frederick W. Snook, 594

Clay, San Francisco.

Filed Aug. 4, '19. Dated May 29, '19.

Payments same as above.

TOTAL COST, \$1548

Bond, \$774. Sureties, F. N. Byrne and

K. G. Hadeler. Limit, 85 working

days from July 21. Forfeit, \$20.

Plans and specifications filed.

BUILDING

(1575) SE O'FARRELL AND VAN
NESS AVE S 60xE 109. All work

except furnishing and placing re-
inforcing steel for building.

Owner—A. Steinberger, Hotel St.
Francis, San Francisco.

Architect—Joseph L. Stewart, 703
Market, San Francisco.

Contractor—Thos. A. Cavanagh, 180
Jessie, San Francisco.

Filed Aug. 4, '19. Dated July 31, '19.

Concrete to 1st floor poured. \$7825

Concrete frame poured. 7825

Completed and accepted. 7825

Usual 35 days. 7825

TOTAL COST, \$31,300

Bond, limit, forfeit, none. Plans and
specifications filed.

ALTERATIONS

(1576) NO. 105 POWELL. Alter for
restaurant.

Owner—A. Andrian, 8 Eddy, S. F.

Architect—None.

Contractor—Gus Dravillas, 8 Eddy St.,
San Francisco.

COST, \$2000

ALTERATIONS

(1577) S MARKET 250 E Ninth.
Alter for auto show room.

Owner—Jas. Otis, Trustee for Whit-
comb Estate, 310 California, S. F.

Architect—Geo. Rushforth, 354 Pine,
San Francisco.

Contractor—P. J. Cole, 110 Jessie,
San Francisco.

COST, \$500

ADDITION

(1578) NO. 639 CLEMENT. Add
store room in rear.

Owner—J. R. Billings, Premises.

Architect—J. M. Ploeger, Premises.

Contractor—A. D. Collman, 110 Jessie
San Francisco.

COST, \$460

FOUNDATION

(1579) NO. 145 HAROLD AVE. Con-
crete foundation for dwelling.

Owner—A. F. Bresino, Premises.

Architect—None.

Day's work. COST, \$450

SHELVING

(1580) NO. 923 MARKET. Erect 200
feet of shelving.

Owner—Royal Shoe Co., Premises.

Architect—None.

Contractor—E. Barlow.

COST, \$400

SCHOOL

(1581) E FOURTEENTH AVE 90 S
Irving. Plumbing, sewer, heating

etc., for school building.

Owner—Roman Catholic Archbishop
of San Francisco.

Architect—W. D. Shea and H. A. Min-
ten, 244 Kearny, San Francisco.

Contractor—Scott Co., 243 Minna, San
Francisco.

Filed Aug. 5, '19. Dated July 31, '19.

Piping is completed. \$2500

Entire work done. 2501

Usual 35 days. 1668

TOTAL COST, \$6669

Pond, \$3335. Sureties, Wm. P. Scott
and Peter F. Scott. Limit, forfeit,
none. Plans and specifications filed.

ALTERATIONS

(1582) NO. 217 COLE. All work for
alterations and repairs; alter resi-
dence into two flats.

Owner—K. Winter, Premises.

Architect—None.

Contractor—Johnson & Johnson, 55
Divisadero, San Francisco.
Filed Aug. 5, '19. Dated July 29, '19.
Plaster on\$825
Building finished 825
30 days after 825
TOTAL COST, \$2475
Bond, limit, forfeit, none. Plans and
specifications, none.

PLUMBING

(1583) SW VAN NESS AVE AND
Sacramento S 60-4x100. All work
for plumbing for reinforced con-
crete Class "B" building.
Owner—Warbur Realty Co.
Architect—Sylvain Schnaittacher, 233
Post, San Francisco.
Contractor—Scott Co., 243 Minna St.,
San Francisco.
Filed Aug. 5, '19. Dated July 12, '19.
Progressive payments
TOTAL COST, \$1241
Bond, \$620.50. Sureties, Wm. P.
Scott and H. M. Van Pelt. Limit, for-
feit, none. Plans and specifications
filed.

(1584) ELECTRICAL WIRING ON
above.

Contractor—M. A. De Lew, 1637 Oak,
San Francisco.
Filed Aug. 5, '19. Dated July 12, '19.
Progressive payments
TOTAL COST, \$1658
Bond, \$829. Surety, New Amsterdam
Casualty Co. Limit, forfeit, none.
Plans and specifications filed.

(1585) PAINTING, ETC., ON ABOVE
Contractor—D. Zelinsky & Sons, 422
Turk, San Francisco.
Filed Aug. 5, '19. Dated July 12, '19.
Progressive payments
Usual 35 days Balance
TOTAL COST, \$1500
Bond, \$750. Sureties, David and
Frederick Z. Zelinsky. Limit, with-
out delay. Forfeit, none. Plans and
specifications filed.

STORE FITTINGS

(1586) NE POWELL & O'FARRELL.
All work for store fittings.
Owner—H. Bercoyich Cigar Co., 501
Montgomery, San Francisco.
Architect—None.
Contractor—Howe Mfg. Co., 543
Brannan, San Francisco.
Filed Aug. 5, '19. Dated Aug. 5, '19.
On completion 34
Usual 35 days 14
TOTAL COST, \$4700
Bond, \$—, Limit, after Sept. 4.
Forfeit, \$20. Bonus, \$20 before Sept. 4.
Plans and specifications filed.

FRAME DWELLING

(1587) E THIRTY-SECOND AVE 50
N Geary 25x72. All work for two-
story frame dwelling.
Owner—John Gray, 1248 Fell, S. F.
Architect—None.
Contractor—David Leigh, 840 44th
Ave., San Francisco.
Filed Aug. 5, '19. Dated Aug. 1, '19.
Frame up\$1125
Brown coat plaster on 1125
Building completed 1125
Usual 35 days 1125
TOTAL COST, \$4500
Bond, limit, forfeit, none. Plans and
specifications, none.

FRAME DWELLING

(1588) E THIRTY-SECOND AVE 75
N Geary N 25x72. All work for
two-story frame dwelling.
Owner—Gustave Moeller, 2252 Cle-
ment, San Francisco.
Architect—None.
Contractor—David Leigh, 840 44th
Ave., San Francisco.
Filed Aug. 5, '19. Dated
Frame up\$1125
Brown plaster on 1125
Completed 1125
Usual 35 days 1125
TOTAL COST, \$4500
Bond, limit, forfeit, none. Plans and
specifications, none.

PAVEMENT

(1589) IN DRIVEWAY AT KEN-
tucky St. warehouse. All work for
20,000 sq. ft. of asphalt pavement.
Owner—Southern Pacific Railroad,
65 Market, San Francisco.
Architect—None.
Contractor—Flinn & Treacy Con-
tracting Co., 1st Nat'l. Bk Bldg.,
San Francisco.
Filed Aug. 5, '19. Dated July 10, '19.
TOTAL COST, 19c sq. ft.
Bond, \$2850. Surety, American In-
demnity Co. Limit, 90 days. Forfeit,
none. Plans and specifications filed.

ALTERATIONS

(1590) E MISSION 250 S Sixteenth.
All work for alterations and addi-
tions to one-story frame building;
making three-story frame.
Owner—A. Cohen.
Architect—S. Heiman, 212 Stockton,
San Francisco.
Contractor—Frank J. Reilly, 752 4th
Ave., San Francisco.
Filed Aug. 5, '19. Dated July 29, '19.
Second floor joists up\$3580.00
Roof on 3580.00
Plastering completed 3579.50
Completed and accepted 3569.75
Usual 35 days 3569.75
TOTAL COST, \$21,479.00
Bond, \$10,750. Sureties, P. P. Quinn
and P. J. Sullivan. Limit, 120 days
after securing permit. Forfeit, none.
Plans and specifications filed.

ALTERATIONS

(1591) SW POLK & CALIFORNIA.
All work for alterations to stores.
Owner—Blum's Inc., 1465 Polk, S. F.
Architect—Arthur S. Heineman, Mo-
nadnock Bldg., San Francisco.
Contractor—S. Kulchar & Co., 8th
Ave and E-10th, Oakland.
Filed Aug. 5, '19. Dated July 14, '19.
On 1st and 15th of each month 75%
TOTAL COST, \$3990
Bond, \$1995. Surety, Hartford Acci-
dent & Indemnity Co. Limit, Aug. 24,
1919. Forfeit, none. Plans and spec-
ifications filed.

FRAME DWELLING

(1592) S CERRITOS 180 E Larnado.
Two-story frame dwelling.
Owner—C. S. Allred, 150 Onondaga
Ave., San Francisco.
Architect—None.
Day's work. COST, \$6000

DWELLING

(1593) W VICTORIA 100 N Holla-
way. One-story frame dwelling.
Owner—C. S. Allred, 150 Onondaga
Ave., San Francisco.
Architect—None.
Day's work. COST, \$4000

DWELLING

(1593) E MADRONE 200 S Taraval.
One-story frame dwelling.
Owner—Prosper S. Wolf, 725 5th Ave.
San Francisco.
Architect—None!
Contractor—J. H. Thorup, 620 24th
Ave., San Francisco. COST, \$5000

FRAME SHOP

(1594) S HARRISON 130 W 10th.
One-story frame shop.
Owner—P. L. Wilhelm, 180 Jessie,
San Francisco.
Architect—None.
Contractor—A. H. Wilhelm, 180 Jes-
sie, San Francisco. COST, \$3000

DWELLING

(1595) E FORTY-THIRD AVE 175 S
Balboa. One-story frame dwelling.
Owner—Thos. Hamill, 4101 Balboa,
San Francisco.
Architect—None.
Day's work. COST, \$3000

DWELLING

(1596) W THIRTY-SIXTH AVE 150
N Cabrillo. Two-story frame dwlg.
Owner—J. J. Pratt, 6736 Geary, S. F.
Architect—None.
Day's work. COST, \$3000

FRAME GARAGE

(1597) S VALLEJO 40 W Steiner.
One-story frame garage.
Owner—Robt. Muir, 310 California,
San Francisco.
Architect—T. Paterson Ross, 810 Cal-
ifornia, San Francisco.
Day's work. COST, \$900

ALTERATIONS

(1598) LICK ALLEY AND POST.
Remove partitions; install 6x12 O.
P. girders.
Owner—Realty Property Investment
Co., 1st National Bk Bldg., S. F.
Architect—None.
Contractor—Grace & Bernieri, Claus
Spreckels Bldg., San Francisco. COST, \$987

FRAME DWELLING

(1599) SE BRAZIL AND VIENNA.
One-story frame dwelling.
Owner—H. Scholten, 1522 Santa Clara
Ave., Berkeley.
Architect—None.
Day's work. COST, \$1075

ALTERATIONS

(1600) NO. 1109 GRANT AVE. Alter
and repair butcher shop.
Owner—Hee Tai Wo, Premises.
Architect—None.
Day's work. COST, \$1200

BAKE OVEN

(1601) W LEAVENWORTH 100 N
Bush. Build brick bake oven.
Owner—S. O. Erich, 1236 45th Ave.,
San Francisco.
Architect—John Olds, 528 New Call
Bldg., San Francisco.
Contractor—S. F. Oven Co., 528 Call
Bldg., San Francisco. COST, \$1110

FRAME FLAT, ETC.

(1602) W MISSION 198.13 S Ocean
Ave S 25xW 100. All work for two
story and basement frame store and
flat building.
Owner—Gaspari Collichia.
Architect—None.

Contractor—A. Sorbi.

Filed Aug. 6, '19. Dated July 21, '19.
Frame up\$1500
Brown plaster on 1500
When completed 1500
Usual 35 days 1500

TOTAL COST, \$6000
Bond, none. Limit, 110 working days.
Forfeit, none. Plans and specifications filed.

FLATS

(1603) NW WEBSTER 100 S Grove S 37-6x137-6. All work to tear down present building and erect a two-story flat building.

Owner—Adeline Leopold, 627 Webster, San Francisco.

Architect—None.

Contractor—William M. Reedy, 267 Ellsworth, San Francisco.

Filed Aug. 6, '19. Dated Aug. 5, '19.
Frame up\$1900
Plaster on 1900
Completed 1900
Usual 35 days 1900

TOTAL COST, \$7600
Bond, \$3800. Sureties, P. J. Sullivan and W. A. Mariani. Limit, 105 working days. Forfeit, none. Plans and specifications filed.

ALTERATIONS

(1604) NW BALBOA AND 14th Ave. General alterations and additions to residence.

Owner—John C. Augsbury, 1300 Balboa, San Francisco.

Architect—Geo. W. Kelham, Sharon Bldg., San Francisco.

Contractor—Taylor & Jackson, New Call Bldg., San Francisco.

COST, \$7000

DWELLINGS

(1605) N TWENTY-FIFTH 75 and 100 W Homestead. Two two-story and basement frame dwellings.

Owner—McDonough & Costello, 90 St. Marys Ave. and 93 College Ave., San Francisco.

Architect—None.

Day's work. COST, \$1900 each

BAKE OVEN

(1606) SW EDDY AND POWELL. Construct brick bake oven.

Owner—Leighton Dairy Lunch Co., 18 Turk, San Francisco.

Architect—None.

Contractor—J. P. Glaser, 110 Jessie, San Francisco.

COST, \$1100

FRAME DWELLING

(1607) E CONGRESS 200 S Masonic Ave. Two-story and basement frame dwelling.

Owner—W. S. Oliver, 2224 Lake, S. F. Architect—None.

Contractor—D. Houle, 660 Market, San Francisco.

COST, \$3800

FRAME DWELLING

(1608) E RUTLAND 207 S Vicitation Two-story frame dwelling.

Owner—Wm. Hizelech, 9 Delano Ave., San Francisco.

Architect—None.

Day's work. COST, \$1000

FRAME DWELLING

(1609) N TERRACE DRIVE 152 E Portola. Two-story frame dwelling.

Owner—St. Francis Wood Home Bldg. Co., 278 Post, San Francisco.

Architect—Henry H. Gutterson, 278

Post, San Francisco.

Contractor—John Morton, 180 Jessie, San Francisco.

COST, \$8000

CLASS "A" BUILDING

(1610) SE SANSOME & CALIFORNIA. Twelve-story Class "A" office building.

Owner—Balfour Guthrie Co., 350 California, San Francisco.

Architect—Geo. W. Kelham, Sharon Bldg., San Francisco.

Contractor—P. J. Walker Co., Mo-nadnock Bldg., San Francisco.

COST, \$750,000

FACTORY BUILDING

(1611) COMMENCING 300 W from NW Fifth and Harrison N 80xW 200

All work for one-story factory bldg. Owner—Fifth Street Company.

Architect—O'Brien Bros., Inc., 240 Montgomery, San Francisco.

Contractor—A. W. Lawson, 180 Jessie San Francisco.

Filed Aug. 7, '19. Dated Aug. 5, '19.

Walls up to window sills.....\$5000.00
Walls up to bottom second

trusses 5000.00
Roof on, plumbing roughed

in 5000.00
Completed 4899.75

Usual 35 days 6653.25
TOTAL COST, \$26,533.00

Bond, \$13,266.50. Sureties, A. W. Lawson and John Bender. Limit, 60 days. Forfeit, none. Plans and specifications filed.

ALTERATIONS

(1612) NO. 2235 LAKE. Alter residence.

Owner—Geo. C. Sargeant, Hobart Bldg San Francisco.

Architect—None.

Contractor—Frank M. Garden, 2235 Lake, San Francisco.

COST, \$2000

ALTERATIONS

(1613) NO. 450 ATHENS. Alter residence.

Owner—Henry Carstens, 450 Athens, San Francisco.

Architect—None.

Contractor—W. C. Petersen, 610 Fillmore, San Francisco.

COST, \$2000

Correction. Architect's Name Omitted
FRAME APARTMENTS

(1614) NE BALBOA & TWENTIETH Ave. Two-story frame (4) apartments.

Owner—O. M. Oyen and P. Medhurst, 131 Mangels Ave., San Francisco.

Architect—C. O. Clausen, Hearst Bldg. San Francisco.

Day's work. COST, \$8000

DWELLING

(1615) W FORTIETH AVE 200 S Anza. One-story and basement

frame dwelling. Owner—Thos. I. McCaw, 281 12th

Ave., San Francisco. Architect—None.

Contractor—Thos. Hamill, 4101 Balboa, San Francisco.

COST, \$3000

DWELLING

(1616) N ROLPH 210 E Newton. One-story frame dwelling.

Owner—Crocker Estate Co., Crocker Bldg., San Francisco.

Architect—None.

Contractor—A. M. Samuelson, 3732 21st, San Francisco.

COST, \$2750

DWELLING

(1617) S BOSWORTH 50 W Cuvier. One-story and basement frame dwelling.

Owner—Wm. F. Flala, 1708½ Church, San Francisco.

Architect—None.

Contractor—Thos. McCormick, 25 Gladys, San Francisco.

COST, \$2500

ADDITIONS

(1618) NO. 133 POPE. Add to residence.

Owner—Millie Sharon, Premises. Architect—None.

Contractor—C. W. Page, 12 Sadowa, San Francisco.

COST, \$300

ALTERATIONS

(1619) SE MARKET AND MAIN. New store front.

Owner—M. Fleishacker, 2418 Pacific Ave., San Francisco.

Architect—None.

Contractor—Robinson & Gillespie, 1051 Sutter, San Francisco.

COST, \$2500

ALTERATIONS

(1620) SE VALENCIA AND 16TH. Alter saloon into residence.

Owner—J. D. Perkins, 168 Valencia, San Francisco.

Architect—None.

Day's work. COST, \$1000

FRAME STORES

(1621) S GEARY 115 W 16th Ave W 50xS 100 O L 268. All work except

finish hardware and brass for one-story frame building (stores).

Owner—J. H. Dignan.

Architect—J. A. Porporato, 619 Washington, San Francisco.

Contractor—Thos. Hamill, 4101 Balboa, San Francisco.

Filed Aug. 8, '19. Dated Aug. 7, '19.

Frame up\$1200
Brown plaster on 1400

Completed 1800
Usual 35 days 2080

TOTAL COST, \$6480
Bond, \$3500. Sureties, Nathaniel

Thompson and J. H. McCallum. Limit 75 days. Forfeit, none. Plans and specifications filed.

OFFICE BUILDING

(1622) N PINE 137-6 E Stockton. Grading, excavation, foundation

work for Pacific Coast Home Office of Metropolitan Life Insurance Co.

Owner—Jas. Furlong.

Architect—J. R. Miller, Lick Bldg., San Francisco.

Contractor—A. J. Reeder, 110 Jessie, San Francisco.

Filed Aug. 8, '19. Dated Aug. 8, '19.

On 10th and 20th of each month 75%
Usual 35 days, balance..... 25%

TOTAL COST, \$3900
Bond, \$4950. Surety, New Amsterdam

Casualty Co. Limit, forfeit, none. Plans and specifications filed.

FRAME STORE, ETC.

(1623) W SAN BRUNO 200 N Burrows. Two-story frame store and

flat.

Owner—H. Edelstein, 2520 San Bruno

Ave., San Francisco.
 Architect—O. E. Evans, 2569 Mission,
 San Francisco.
 Contractor—H. Abrahams, 134 Hale,
 San Francisco.
 COST, \$6000

WAREHOUSE

(1624) N DAVIDSON 15 W Rankin.
 Two and part 4-story concrete
 warehouse and factory, 80x208.
 Owner—Rosenberg Bros. & Co.; 330
 California, San Francisco.
 Architect—None.
 Contractor—Braunton Bros., 180 Jes-
 sie, San Francisco.
 COST, \$65,000

REPAIRS

(1825) NO. 371 SANCHEZ. Repair
 fire damage to dwelling.
 Owner—F. H. Wagstaff, Premises.
 Architect—None.
 Contractor—John Diestel, 248 Russ
 Bldg., San Francisco.
 COST, \$963

LIENS FILED.

San Francisco County.

Aug. 6, 1919.—NE FORTY-SECOND
 Ave and Judah 25x100. The
 Greater City Lumber Co vs F W
 Fulmore and wife Ollie Fulmore
 \$102.65

COMPLETION NOTICES.

San Francisco County.

RECORDED ACCEPTED

Aug. 1, 1919—E ASHBURY 80-3 NE
 from pt formed by intersection E
 Ashbury and N line Clifford Ter-
 race N 37-4½ E 80-4 S 27-9 W
 93-3½. C B Lovig vs Wm P and
 Madeline Mary Scott. \$220
 Aug. 2, 1919—W POTRERO AVE 85
 N 24th N 50x100. J H Rippe
 to Thos P Mitchell. Aug. 2, 1919
 Aug. 4, 1919—LOT 24 BLK 3163,
 Westwood Park. Katherine C
 Kingwell to John J Kingwell.
 July 25, 1919
 Aug. 5, 1919—E VALENCIA 81-6 S
 20th S 68-6 E 92-6 N 40 W 2-6 N
 25-6 W 90. M I Sullivan to Adam
 Arras. Aug. 5, 1919
 Aug. 6, 1919—LOT 12 BLK 3165,
 Westwood Park. Hans Nelson to
 Nelson Bros. Aug. 1, 1919
 Aug. 6, 1919—LOT 21 BLK 3164,
 Westwood Park. Nellie M Morgan
 to Nelson Bros. Aug. 1, 1919
 Aug. 6, 1919—LOT 25 BLK 3163,
 Westwood Park. Edward and
 Ethel Franklin to Nelson Bros.
 Aug. 1, 1919
 Aug. 7, 1919—W FIRST AVE bet.
 Cornwall and California, 100x130.
 M G Gilmour to whom it may con-
 cern. Aug. 7, 1919
 Aug. 8, 1919—GORE COR. ROLPH,
 Naples and Morse Lot 1 Blk 13,
 Crocker Amazon Tract. Albin M
 Samuelson to A M Samuelson.
 August 5, 1919
 Aug. 8, 1919—LOT 13 BLK 16,
 Crocker Amazon Tract. Victor
 Bjorkman to whom it may con-
 cern. Aug. 8, 1919
 Aug. 8, 1919—N SEVILLE 112 W
 Cordova 26x100; Lot 9 Blk 23,

Crocker Amazon Tract. Albin M
 Samuelson to A M Samuelson.
 August 5, 1919

NOTICE OF NON-RESPONSIBILITY.

San Francisco County.

Aug. 9, 1919—N MARKET bet Grant
 Ave and Stockton; No. 786-788
 Market. Alice Phelan Sullivan
 Corporation and Mary L Phelan
 as to improvements on leased
 property
 Aug. 5, 1919—NO. 908 MARKET ST.
 Douglas Realty Co as to im-
 provements on leased property.
 Aug. 7, 1919—W GRANT AVE 27-6
 m or 1 N Pacific. C D Farquhar-
 son as to improvements on leased
 property

LEASE.

San Francisco County.

Aug. 9, 1919—N FOURTH & MISSION
 No. 87 Fourth. Voorman Co, corp'n
 to Harry Cohen and Frank Neary
 (as Neary & Cohen). 3 years. \$2880
 Aug. 6, 1919—NE GEARY & LARKIN
 No. 890 Geary. M J Getz, Barry
 Getz, Sella Cohn and Mildred L
 Steiner to Dr Henry L Holzberg
 6 years. \$6940.

BUILDING PERMIT TOTALS FOR
JULY, 1919.

The following is a report of Build-
 ing operations for the month of July,
 as shown by the Records of the
 Bureau of Inspection of the Board of
 Public Works:

Class.	No. of Bldgs.	Cost
"A"	1	\$ 100,000
"B"	3	324,000
"C"	15	435,800
Frames	101	492,619
Alterations	437	403,527
Harbor Work	2	36,754
Total	559	\$1,792,700

BUILDING CONTRACTS

Alameda County.

The following is an index for the
 contracts for this month:

No.	Owner	Contractor	Am't.
1668	Pfrang	Pfrang	3060
1669	Wolf	Gompertz	6000
1670	Board of Ed	Owner	5000
1671	Breedlove	Owner	2750
1672	Danielson	David	3000
1673	Maasberg	Owner	3000
1674	Pfrang	Owner	500
1675	Crosby	Owner	500
1676	Van Slyke	Olsen	485
1677	Palmer	Cruickshank	400
1678	Sweet	Hazeling	400
1679	Griffith	House	4700
1680	Hardy	Allen	750
1681	Malony	Clark	435
1682	Westover	Morton	6300
1683	Weissbaum	Collins	2700
1684	Newby	Newby	2000
1685	Franklin	Hopper	5150
1686	Nethken	Nethken	2750
1687	Marquis	Marquis	2000
1688	Caldwell	Caldwell	2000
1689	Rosenthal	Anderson	500
1690	Nelson	Johnson	800

1691	King	Corbett	975
1692	City of Okd	Faulkes	1200
1693	Gisla	Legris	3500
1694	Marquis	Marquis	2000
1695	Caldwell	Owner	4000
1696	Marquis	Marquis	2000
1697	Bk Sn Lndro	Knowles	50000
1697	Leino	Leino	2500
1698	Wright	Pattin	1350
1699	City of Alameda	Powell	2500
1700	Smith	Randlett	400
1701	Lunt	Ala Land Co	2000
1702	Ritchie	Owner	400
1703	Westover	Morton	6400
1704	Munger	Engler	1500
1705	Wstrn Canning	Cyclops	11700
1706	Archer	Maudrell	1215
1707	Nat. Lead	Hoyt	4000
1708	Wachs	Muller	12000
1709	Block	Block	4000
1710	MacGregor	Owner	31500
1711	Same	Same	29500
1712	Same	Same	24000
1713	Chandler	MacGregor	9000
1714	MacGregor	Owner	15000
1715	Same	Same	6000
1716	Kapper	Walden	3600
1717	Oakland	Faulkes	1200
1718	Larmer	Larmer	10000
1719	East Bay Water	Owner	130000
1720	Collier	Baker	2221
1721	Lester	Texdahl	9665
1722	Newman	Maurice	4500
1723	Miller	Miller	4000
1724	Ozont	Olsen	9000
1725	Chinn	Kulchar	2000
1726	Pacific G&E	Bundscher	1830
1727	Boehme	Duval	1450

DWELLING

(1668) N MANILA AVE 56 W Broad-
 way, Oakland. One-story 6-room
 dwelling.
 Owner—Lewis G. Pfrang, 703 55th,
 Oakland.
 Architect—None.
 Day's work. COST, \$3000

DWELLING

(1669) SW DERBY AND CLARE-
 mont Blvd, Berkeley. Two-story 9-
 room dwelling.
 Owner—J. H. Wolf 6429 Colby St.,
 Berkeley.
 Architect—R. A. Hutchinson, Syndi-
 cate Bldg., Oakland.
 Contractor—Chas. W. Gompertz,
 Broadway Terrace and Carlton,
 Oakland.
 COST, \$6000

ADDITION

(1670) LE ROY AND VIRGINIA,
 Berkeley. One-story 5-room addi-
 tion to school.
 Owner—Board of Education, 2133
 Allston Way, Berkeley.
 Architect—None.
 Day's work. COST, \$5000

DWELLING

(1671) NO. 2414 EDWARDS, Ber-
 keley. One-story 5-room dwelling.
 Owner—Mary S. Breedlove, 175 Santa
 Rosa Ave., Oakland.
 Architect—None.
 Days work. COST, \$2750

APARTMENTS

(1672) NE PARK BLVD. AND E-
 Twentieth, Oakland. All work for
 two-story 12-room apartments.
 Owner—E. R. Danielson, 3974 Pied-
 mont, Oakland.
 Architect—R. A. Hutchinson, Syndi-
 cate Bldg., Oakland.
 Contractor—W. J. David, 2428 Linden

Oakland.
Filed Aug. 4, '19. Dated Aug. 2, '19.
1st floor laid.....\$3240
Frame up.....3240
Ready for lath.....3240
Plastered and pine floors laid.....3240
Completed.....3240
TOTAL COST, \$——
Bond, none. Limit, 100 days. Forfeit,
none. Plans and specifications filed.

DWELLING
(1673) S HAMPEL 85 W Woodruff,
Oakland. One-story 7-room dwlg.
Owner—E. Maasberg, 3915 Green-
wood, Oakland.
Architect—None.
Day's work. COST, \$3000

GARAGE
(1674) NO. 3520 PARK BLVD., Oak-
land. Garage.
Owner—L. G. Pfarr, 703 55th, Okd.
Architect—None.
Day's work. COST, \$500

GARAGE
(1675) NO. 86 EUCALYPTUS ROAD,
Oakland. Garage.
Owner—L. Crosby.
Architect—None.
Day's work. COST, \$500

ADDITION
(1676) NO. 2840 SUMMIT, Oakland.
Addition.
Owner—I. M. Van Slyke, Premises.
Architect—None.
Contractor—Edw. Olson.
COST, \$485

GARAGE
(1677) NO. 5674 KEITH AVE., Oak-
land. Garage.
Owner—Dr. H. P. Palmer.
Architect—None.
Contractor—Jas. Cruickshank, 5658
Broadway, Oakland.
COST, \$400

ALTERATIONS
(1678) NO. 1809 WEST, Oakland.
Alterations.
Owner—R. Sweet, Premises.
Architect—None.
Contractor—J. R. Hazelton, 1848 San
Pablo Ave., Oakland.
COST, \$400

DWELLING
(1679) S RUSSELL 165 W Pine Ave.,
Berkeley. Two-story 5-room dwlg.
Owner—Lulu Z. Griffith, 2330 Russell
St., Berkeley.
Architect—H. C. Allen, San Francisco
Contractor—Jacob House, 1640 All-
ston Way, Berkeley.
COST, \$4750

ALTERATIONS
(1680) NO. 2824 FOREST AVE., Ber-
keley. Alterations.
Owner—V. S. Hardy, Premises.
Architect—None.
Contractor—F. E. Allen, 2718 Regent,
Berkeley.
COST, \$750

ADDITION
(1681) NO. 2418 DANA, Berkeley.
Addition.
Owner—Mr. Malony.
Architect—None.
Contractor—Clark & Connolly, 2106
Channing Way, Berkeley.
COST, \$435

FRAME DWELLING
(1682) E 60.75 LOT 1 BLK "A"
Whitney Tract, Berkeley. All work
for two-story frame dwelling.
Owner—Myron Westover, Berkeley.
Architect—None.
Contractor—Mathew Morton, Bkly.
Filed Aug. 5, '19. Dated July 29, '19.
Roof sheathed..... $\frac{1}{4}$
Plastered..... $\frac{1}{4}$
Completed and accepted..... $\frac{1}{4}$
Usual 35 days..... $\frac{1}{4}$
TOTAL COST, \$6300
Bond, \$3150. Sureties, Jeanie Morton
and John I. Collins. Limit, 70 days.
Forfeit, none. Plans and specifica-
tions filed.

DWELLING
(1683) W THIRD AVE 60 N E-10th,
Oakland. One-story 5-room dwlg.
Owner—G. Weissbaum, 137 11th St.,
San Francisco.
Architect—None.
Contractor—W. E. Collins, 643 Oak
St., San Francisco.
COST, \$2700

DWELLING
(1684) E EIGHTY-SIXTH AVE 30 N
Dowling, Oakland. One-story five-
room dwelling.
Owner—P. A. Newby.
Architect—None.
Day's work. COST, \$2000

DWELLING AND GARAGE
(1685) MANOR DRIVE, Piedmont.
One and one-half-story frame dwel-
ling and garage.
Owner—William Franklin, 5701 San
Pablo Ave., Oakland.
Architect—Marshall E. Hopper, 12
Linda Ave., Piedmont.
Contractor—Hopper & Son, 12 Linda
Ave., Piedmont.
COST, \$5150

(1686) N SIXTIETH 130 E Adeline,
Oakland. One-story 5-room dwlg.
Owner—H. Nethken, 3651 39th Ave.,
Oakland.
Architect—None.
Day's work. COST, \$2750

DWELLING
(1687) E FORTY-FIRST AVE 150 S
San Carlos Walk, Oakland. One-
story 5-room dwelling.
Owner—E. M. Marquis, 2827 Russell,
Berkeley.
Architect—None.
Day's work. COST, \$2000

DWELLING
(1688) N E-THIRTY-SECOND 75 E
Stuart, Oakland. One-story four-
room dwelling.
Owner—C. H. Caldwell, 1918 Pacific
Ave., Oakland.
Architect—None.
Day's work. COST, \$2000

ALTERATIONS
(1689) NO. 819 WASHINGTON, Oak-
land. Alterations.
Owner—S. Rosenthal, Premises.
Architect—None.
Contractor—J. Anderson, 874 34th,
Oakland.
COST, \$500

ADDITION
(1690) NO. 2518 TWENTY-FOURTH
Ave., Oakland. Addition.
Owner—Mrs. P. Nelson.
Architect—None.
Contractor—L. O. Johnson.
COST, \$800

ALTERATIONS
(1691) NO. 471 NINTH, Oakland.
Alterations.
Owner—J. H. King Co., 308 12th, Okd.
Architect—None.
Contractor—Corbett & Bayliss, 1110
Franklin, Oakland.
COST, \$975

SCHOOL
(1692) THIRTY-NINTH & MARKET
Oakland. One-story 1-room school.
Owner—City of Oakland.
Architect—None.
Contractor—John R. Faulkes, 9828 E-
14th, Oakland.
COST, \$1200

REPAIRS
(1693) NO. 2585 FRUITVALE AVE.,
Oakland. Fire repairs.
Owner—Mrs. M. Gisla, Premises.
Architect—None.
Contractor—L. H. Legris, 2600 Fruit-
vale Ave., Oakland.
COST, \$3500

DWELLING
(1694) W FAIRFAX AVE 220 N
Ygnacio, Oakland. One-story five-
room dwelling.
Owner—E. M. Marquis, 2827 Russell
Berkeley.
Architect—None.
Day's work. COST, \$2000

DWELLINGS
(1695) N E-THIRTY-SECOND 100 &
142 E Stuart, Oakland. Two one-
story 4-room dwellings.
Owner—C. H. Caldwell, 1918 Pacific
Ave., Oakland.
Architect—None.
Day's work. COST, \$4000

DWELLING
(1696) W FIFTY-SECOND AVE 400
N E-14th, Oakland. One-story five-
room dwelling.
Owner—E. M. Marquos, 2827 Russell,
Berkeley.
Architect—None.
Day's work. COST, \$2000

HOTEL, ETC.
(1697) SW NINETY-SECOND AVE.
and E-14th, Oakland. Two-story
store and hotel building.
Owner—Bank of San Leandro
Architect—W. H. Weeks, 75 Post St.,
San Francisco.
Contractor—A. Knowles, Kohl Bldg.,
San Francisco.
COST, \$50,000

DWELLING
(1697) N ALSTON WAY 40 E Broad-
way, Berkeley. One-story 5-room
dwelling.
Owner—Albino Leino, 1619 Kains Ave.
Berkeley.
Architect—None.
Day's work. COST, \$2500

ADDITION
(1698) NO. 1522 WEBSTER, Ala-
ameda. Addition.
Owner—Geo. T. Wright, 1515 San An-
tonio Ave., Alameda.
Architect—None.
Contractor—A. W. Pattini, 1521 Cen-
tral Ave., Alameda.
COST, \$1350.

ADDITION
(1699) PEARL near Harrison Ave.,
Alameda. Reinforced concrete ad-
dition.

Owner—City of Alameda.

Architect—None.

Contractor—Powell Bros., Harrison Ave and Pearl, Alameda.

COST, \$2500

ADDITION

(1700) NO. 1414 CENTRAL AVE., Alameda. Addition.

Owner—W. O. Smith, Premises.

Architect—None.

Contractor—E. A. Randlett, 1534 Chestnut, Alameda.

COST, \$400

DWELLING

(1701) W FIFTH 35 N Haight Ave., Alameda. One-story 4-room dwlg.

Owner—Geo. D. Lunt, 1509 High, Alameda.

Architect—None.

Contractor—Alameda Land Co., 1434 Park, Alameda.

COST, \$2000

ALTERATIONS

(1702) NO. 1353 PARK, Alameda. Alterations.

Owner—Mrs. L. E. Ritchie, Premises.

Architect—None.

Day's work. COST, \$400

DWELLING

(1703) EUCLID AVE AND HAWTHORNE Terrace, Berkeley. Two-story 6-room dwelling.

Owner—Myron Westover.

Architect—None.

Contractor—Mathew Morton, 2911 Benvenue Ave., Berkeley.

COST, \$6400

REPAIRS

(1704) NO. 2966 RUSSELL, Berkeley Repairs.

Owner—A. L. Munger, Premises.

Architect—None.

Contractor—Louis Engler, 2435 College Ave, Berkeley.

COST, \$1500

REFRIGERATING SYSTEM

(1705) NW PARK AVE AND HARBOR, Emeryville. All work for refrigerating system in one-story refrigerator building.

Owner—Western Canning Co. through Agents P. J. Walker Co., Monadnock Bldg., San Francisco.

Architect—None.

Contractor—Cyclops Iron Works.

Filed Aug. 6, '19. Dated July 29, '19.

Monthly payments for work and labor installed

TOTAL COST, \$11,700

Bond, \$5850. Surety, Fidelity & Deposit Co. Limit, 30 days. Forfeit, none. Plans and specifications filed.

(1706) E FRANKLIN 60-3 N 14th N 145-9 E 150 S 145-9 W 47-10½ S 60-3 W 30-6 N 60-3 W 71-7½, Oakland. All work for painting two-story store and dance pavilion.

Owner—Archon Company.

Architect—Cunningham & Polite, 1st National Bank Bldg., San Francisco.

Contractor—H. Maundrell, 180 Jessie, San Francisco.

Filed Aug. 6, '19. Dated July 3, '19.

On 1st and 15th of each month 75% Usual 35 days 25%

TOTAL COST, \$1215

Bond, \$607.50. Surety, Royal Indemnity Co. Limit, 25 days. Forfeit, \$25.

Plans and specifications filed.

MILL BUILDING

(1707) FORTY-SEVENTH AVE AND E-10th, Oakland. Three-story mill building.

Owner—National Lead Co. of California, Premises.

Architect—None.

Contractor—H. P. Hoyt, Monadnock Bldg., San Francisco.

COST, \$4000

DWELLING

(1708) E BELLEVUE 325 N Van Buren, Oakland. Two-story 12-room dwelling.

Owner—Harold Wachs.

Architect—A. Howard Peterson.

Contractor—F. A. Muller, Syndicate Bldg., Oakland.

COST, \$12,000

DWELLING

(1709) W PARK BLVD. 120 N Spruce, Oakland. Two-story 6-room dwelling.

Owner—Peter Block, 109 Arbor Drive, Oakland.

Architect—None.

Contractor—Peter Block & Co., 109 Arbor Drive, Oakland.

COST, \$4000

DWELLINGS

(1710) NW FIFTY-NINTH AND SAN Pablo and thence along W San Pablo Ave 72, 109, 147, 184, 222, 260, 297 N 59th, Oakland. Nine one-story 6-room dwellings.

Owner—C. M. MacGregor, 470 13th, Oakland.

Architect—None.

Day's work. COST, \$3500 each

DWELLINGS

(1711) N MANDONA 350, 400, 450, 500 and 550 W Carlston, Oakland. Five one-story frame dwellings.

Owner—C. M. MacGregor, 470 13th, Oakland.

Architect—None.

Day's work. COST, \$5900 each

DWELLINGS

(1712) W SAN PABLO AVE 34, 72, 109, 147, 184, 222, 260, 297 N 59th, Oakland. Eight one-story frame dwellings.

Owner—C. M. MacGregor, 470 13th, Oakland.

Architect—None.

Day's work. COST, \$3000 each

DWELLINGS

(1713) W THIRTY-FIFTH AVE 200, 237, 275 W Brookdale Ave., Oakland. All work for three one-story 6-room dwellings.

Owner—Gertrude D. Chandler, Oakland Bank of Savings Bldg., Okd.

Architect—None.

Contractor—C. M. MacGregor, 470 13th, Oakland.

COST, \$3000 each

DWELLINGS

(1714) W THIRTY-FIFTH AVE 50, 87, 125, 162 190 S Brookdale Ave., Oakland. Five one-story frame dwellings.

Owner—C. M. MacGregor, 470 13th, Oakland.

Architect—None.

Day's work. COST, \$3000 each

DWELLINGS

(1715) W THIRTY-FIFTH AVE 100, 137 N Deering, Oakland. * All work

for two one-story frame dwellings. Owner—C. M. MacGregor, 470 13th, Oakland.

Architect—None.

Day's work. COST, \$3000 each

DWELLING

(1716) SE FORTY-SEVENTH AND Melrose Ave., Oakland. One-story 7 room dwelling.

Owner—Mrs. Sophia Kapper, Prem.

Architect—None.

Contractor—J. T. Walden, 2312 Courtland, Oakland.

COST, \$3600

SCHOOL

(1717) THIRTY-FOURTH & MAGNOLIA, Oakland. One-story one-room school.

Owner—City of Oakland.

Architect—None.

Contractor—John R. Faulkes, 9828 E-14th, Oakland.

COST, \$1200

APARTMENTS

(1718) E COLLEGE AVE 60 S Garber, Berkeley. Two-story 16-room apartments.

Owner—Edw. Larmer, 470 Boulevard Way, Oakland.

Architect—None.

Day's work. COST, \$10,000

OFFICE BUILDING

(1719) SIXTEENTH bet. San Pablo and Telegraph Aves., Oakland. All work for four-story reinforced concrete office building.

Owner—East Bay Water Co., 9th and Broadway, Oakland.

Architect—Wm. Knowles, Hearst Bldg San Francisco.

Day's work. COST, \$130,000

DWELLING

(1720) PTN LOTS 3, 4, and 5 Bldg 12, Havenscourt, Oakland. All work for four-room dwelling.

Owner—Emma V. Collier, Oakland.

Architect—None.

Contractor—Wm. J. Baker, Oakland. Filed Aug. 8, '19. Dated July 29, '19.

Frame up ¼

Plastered ¼

Completed and accepted ¼

Usual 35 days ¼

TOTAL COST, \$2221

Bond, none. Limit, 60 days. Forfeit, none. Plans and specifications filed.

DWELLING

(1721) SW COR. ASHBY AND PINE Aves, 80v54, being Lot 21 Pine Terrace, Berkeley. All work for eight room dwelling and garage.

Owner—A. M. Lester, Berkeley.

Architect—None.

Contractor—C. Texdahl, Oakland. Filed Aug. 8, '19. Dated Aug. 6, '19.

Ready for plaster ¼

Brown coated ¼

Completed and accepted ¼

Usual 35 days ¼

TOTAL COST, \$9665

Bond, none. Limit, 35 days. Forfeit, none. Plans and specifications filed.

(1722) W CLAY 25 S Sixth, Oakland. One-story brick store.

Owner—Newman & Korn, 525 Clay, Oakland.

Architect—None.

Contractor—F. W. Maurice, 615 15th, Oakland.

COST, \$4500

ADDITION

(1723) E FRANKLIN 400 N 14th, Oakland. One-story brick addition to theatre.

Owner—Wm. E. Miller Estate, Syndicate Bldg., Oakland.

Architect—Edw. T. Foulkes, Crocker Bldg., San Francisco.

Day's work. COST, \$4000

BRICK GARAGE

(1724) W GROVE 400 S 51st, Oakland. One-story brick garage.

Owner—H. E. Ozont, 1801 Ashby Ave., Berkeley.

Architect—None.

Contractor—Alfred Olsen, 565 16th, Oakland.

COST, \$9000

ALTERATIONS

(1725) NO. 476 THIRTEENTH ST., Oakland. Alterations and marquee

Owner—Chinn Beretta Optical Co., Premises.

Architect—None.

Contractor—S. Kulchar & Co., 8th Av and E-10th, Oakland.

CGST, \$2000

COVER PIPES, ETC.

(1726) PTN 40 S and 30 W of S line First and W line Jefferson W 50 S 50 W 100 S 60 E 150 N 110, Oakland. All work for covering pipes, valves, etc., with National Magnesia

Owner—Pacific Gas & Electric Co.

Architect—None.

Contractor—Ralph M. Bundscher and Charles K. Brown (as Asbestos Co. of California).

Filed Aug. 9, '19. Dated Aug. 5, '19.

Completed. 75%

Usual 35 days. TOTAL COST, \$1830

Bond, \$915. Surety, American Indemnity Co. Limit, 60 days. Forfeit, none. Plans and specifications filed.

ALTERATIONS

(1727) NO. 2001-7 FRUITVALE AVE Oakland. Alterations.

Owner—G. A. Boehme.

Architect—None.

Contractor—Oliver Duval & Son, Dalziel Bldg., Oakland.

COST, \$1450

COMPLETION NOTICES.

Alameda County.

Recorded Accepted

Aug. 4, 1919—LOT 44 BLK 6 Key Route Terrace No. 3, Bkly. Fred C and Lorene M Bertheaud to whom it may concern July 14, 1919

Aug. 5, 1919—LOTS 56 AND 57 Map Bowie Ppty, Piedmont. Mrs A Boge to Alfred Cords. Aug. 5, 1919

Aug. 4, 1919—POINT 50 FEET S from SE Cor. 24th and San Pablo Ave E 103 S 50 W 88 N 56, Okd. M C Chapman to J F Dingwell. May 30, 1919

Aug. 5, 1919—NO. 2434 TELEGRAPH Ave, Bkly. Edward E Niehans Co, Inc by James W Plachek to Phil Sheridan. August 5, 1919

Aug. 6, 1919—LOT 24 BLK "M" Northbrae Terrace, Bkly. Ralph R Eltse to H H Schuessler. August 4, 1919

Aug. 6, 1919—LOT 3 BLK "C" Northbrae Terrace, Bkly. Mary

E Krosca to E I Krosca. Aug. 5, '19

Aug. 7, 1919—E 20 LOT 95 and W 25 Lot 96 Fourth Ave Terrace Extension, Okd. Katherine Houck to whom it may concern. August 6, 1919

Aug. 7, 1919—(1) NW CARLTON & Milvia; (2) E Carlton 50 W Milvia (3) W Milvia 80 N Carlton; (4) NE Carlton and Milvia; (5) N Carlton 50 E Milvia; (6) N Carlton 98 E Milvia; (7) E Milvia 80 N Carlton. Berkeley. Fidelity Mortgage Securities Co. of Calif to Allen J Hillam. Aug. 5, 1919

NOTICE OF NON-RESPONSIBILITY.

Alameda County.

Aug. 6, 1919—SW CENTRAL AVE & Park Ave S 120xW 80, Ala. Chas W Cowan, Lily and G F Wilson as to improvements on leased property

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Contractor—Al Compton, N-17th St., San Jose.

COST, \$8000

COTTAGE

N-TWELFTH ST., bet. Washington and Empire, San Jose. Sly-room cottage.

Owner—Mrs. M. Pettigrew, 203 S-17th St., San Jose.

Architect—None.

Contractor—D. R. Spooner, 203 S-17th St., San Jose.

COST, \$3000

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ALTERATIONS

NO. 345 E-SAN ANTONIO ST., San Jose. Alter into apartments.

Owner—Mrs. M. Hayward, Premises.

Architect—Wolfe & Higgins.

Contractor—S. B. Cunningham, Little Delmas.

COST, \$2000

ADDITION

NO. 310 SAN SALVADOR ST., San Jose. Addition and repairs.

Owner—P. A. Turner, Premises.

Architect—None.

Day's work. COST, \$400

ALTERATIONS

ST. MARY AND ALAMEDA STS., San Jose. Alterations.

Owner—H. B. Kooser Estate.

Architect—None.

Contractor—E. E. Weldon.

COST, \$500

NE MARGARET ST., and right-of-way of S. P. Railroad, San Jose. All work for brick and corrugated iron building (owner to furnish material).

Owner—H. G. Knapp & Son, 305 S-11th St., San Jose.

Architect—W. C. Phillips, 158 Pierce St., San Jose.

Contractor—Al Compton, 547 N-17th St., San Jose.

Filed Aug. 4, '19. Dated Aug. 4, '19.

On 1st and 8th of each month 75%

Usual 35 days. 25%

TOTAL COST, \$7848

Bond, \$2500. Sureties, Walter and Otto Schnabel. Limit, 44 days. Forfeit, none. Plans and specifications filed.

GARAGE

SW STATE HIGHWAY AND MT. View and Saratoga Road, near Sunnyvale. All work for garage bldg.

Owner—Cockrell & Nielsen, Sunnyvale, Cal.

Architect—H. A. Spreen, Sunnyvale.

Contractor—H. A. Spreen, Sunnyvale.

Filed Aug. 4, '19. Dated Aug. 1, '19.

All bills to be paid by owners

40 days after completion.

TOTAL COST, \$4700

Bond, limit, forfeit, none. Specifications only filed.

COMPLETION NOTICE.

San Mateo County.

Recorded Accepted

Aug. 2, 1919—LOT N BLK 2, Burlingame Terrace, Burlingame.

Sidney W and Helen B Toyler to Broderick & Mayes. July 28, 1919

BUILDING CONTRACTS.

Santa Clara County.

FACTORY

COR. MARGARET AND FOURTH STs., San Jose. Brick factory building.

Owner—H. G. Knapp & Son, 1022 S-First St., San Jose.

Architect—W. C. Phillips, 158 Pierce Ave., San Jose.

Aug. 6, 1919—LOT 24 BLK "M" Northbrae Terrace, Bkly. Ralph R Eltse to H H Schuessler. August 4, 1919

Aug. 6, 1919—LOT 3 BLK "C" Northbrae Terrace, Bkly. Mary

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Aug. 6, 1919—LOT 3 BLK "C" Northbrae Terrace, Bkly. Mary

COMPLETION NOTICES.**Santa Clara County.**

Recorded Accepted
 Aug. 4, 1919—KIFER AND COFFIN Roads nr Santa Clara. C T Clifford to G H Frith.....May 1, 1919
 Aug. 4, 1919—CAMPUS OF STANFORD University, Palo Alto. Board of Trustees, Stanford University to Van Fleet-Freear Co.....July 26, 1919

COMPLETION NOTICES.**Marin County.**

Recorded Accepted
 Aug. 4, 1919—SAUSALITO. John Coustli to whom it may concern.....July 15, 1919

COMPLETION NOTICES.**Fresno County.**

Recorded Accepted
 July 30, 1919—LOTS 25 & 26 BLK 1, Allen & Binford Tract, Fresno. Virginia E Rector to whom it may concern.....June 17, 1919

BUILDING CONTRACTS.**Sacramento County.**

DWELLING
 NOS. 1004-6 FORTY-FIRST ST., Sacramento. Seven-room frame dwelling and garage.
 Owner—J. H. Donnelly.
 Architect—None.
 Contractor—A. W. Norris.
 COST, \$5430

FRAME DWELLING
 NO. 1416 FORTIETH ST., Sacramento Two-story frame dwelling.
 Owner—Wright & Kimbrough, 817 J St., Sacramento.
 Architect—None.
 Contractor—E. A. Corum, 2533 Portola Way, Sacramento.
 COST, \$4900

DWELLING
 NO. 2317 PORTOLA WAY, Sacramento. Two-story frame dwelling.
 Owner—J. C. Carley, 1700 G St., Sacramento.
 Architect—None.
 Contractor—E. A. Corum, 2533 Portola Way, Sacramento.
 COST, \$3900

DWELLING
 NO. 2048 FOURTH AVE., Sacramento. Two-story frame dwelling.
 Owner—J. C. Carley, 1700 G St., Sacramento.
 Architect—None.
 Contractor—E. A. Corum, 2533 Portola Way, Sacramento.
 COST, \$4200

REMODEL
 W 40-4 S 8-7 LOT 8, I, J, 3rd and 4th Sts., Sacramento. Improve and remodel three-story brick building.
 Owner—Cornelia E. Pratt.
 Architect—None.
 Contractor—Chas. Vanina & Son.
 COST, \$18,407.50

DWELLING

NO. 2216 THIRD AVE., Sacramento. Two-story frame dwelling.
 Owner—J. C. Carley, 1700 G St., Sacramento.
 Architect—None.
 Contractor—E. A. Corum, 2533 Portola Way, Sacramento.
 COST, \$4600

APARTMENTS

NO. 1515 THIRTEENTH ST., being S 45 feet Lot 1 Blk O, P, 13th and 14th Sts., Sacramento. Two-story frame (8) apartments.
 Owner—L. C. Billups.
 Architect—None.
 Contractor—W. B. Ladue, 2319 O St., Sacramento.
 COST, \$22,000

BUILDING CONTRACTS.**San Joaquin County.**

FRAME DWELLING
 LANE'S ADDITION, Stockton. Frame dwelling.
 Owner—Ramsey-Emerson Co., Record Bldg., Stockton.
 Architect—None.
 Day's work.
 COST, \$1500

STEEL SHED
 N WATERFRONT, Stockton. Erect steel shed.
 Owner—City of Stockton.
 Architect—None.
 Day's work.
 COST, \$16,769

ALTERATIONS
 CHANNEL ST., bet. Grant and Aurora Sts., Stockton. Alterations.
 Owner—O. A. Martin.
 Architect—None.
 Day's work.
 COST, \$1000

DWELLING
 LAKE PARK, Stockton. Erect frame dwelling and garage.
 Owner—A. L. Healey, 89 San Joaquin Bldg., Stockton.
 Architect—None.
 Day's work.
 COST, \$3700

FRAME BUILDING
 SUNSET ADDITION, Stockton. Erect frame building.
 Owner—Paul Williamson, 548 N-Sutter St., Stockton.
 Architect—None.
 Day's work.
 COST, \$1250

ADDITION
 AURORA ST., bet. Washington and Lafayette Sts., Stockton. Addition.
 Owner—H. C. Shaw, Weber St., Cor. California, Stockton
 Architect—None.
 Day's work.
 COST, \$7500

ALTERATIONS
 SAN JOAQUIN ST., bet. Church and Hazelton, Stockton. Alter frame building.
 Owner—Thos. Blair, 517 S-San Joaquin St., Stockton.
 Architect—None.
 Day's work.
 COST, \$57,000

COTTAGES
 WILLOW AND MONROE STS., Stockton. Two cottages.
 Owner—J. O. Gossett, Y. M. C. A. Bldg., Stockton.
 Architect—None.
 Day's work.
 COST, \$1900 each

FRAME DWELLING
 OPHIR ST., bt. Poplar and Accacia Sts., Stockton. Frame dwelling.
 Owner—A. G. Prato, 830 E-Church St., Stockton.
 Architect—None.
 Day's work.
 COST, \$2800

BUILDINGS AND GARAGES
 SPERRY'S ADDITION, Stockton. Two frame buildings and garages.
 Owner—W. L. Cooley.
 Architect—None.
 Day's work.
 COST, \$3000 each

COMPLETION NOTICES.**San Joaquin County.**

Recorded Accepted
 July 21, 1919—LOT 10 BLK 3 Lake-side Terrace, Stockton. Albert G Myran to C W Beck.....April 29, 1919

LIENS FILED.**San Joaquin County.**

Recorded Amount
 July 23, 1919—LOT 17 BLK 10 Sub No. 2, Texedo Park, Stockton. Simpson-Gray Lumber Co vs Walter Price and Chas Garfield.....\$709.92

HIGHWAY BIDS WANTED.

OLYMPIA, Wash.—In addition to other projects the State Highway Commission will receive bids up to August 25th, for the following stretches of highway: The improving of the Olympic Highway from Lake Quinalt northwest as follows: Clearing, grading, draining, and gravel surfacing of 5.5 miles of road in Grays Harbor County, west side Lake Quinalt, 5.6 miles in Harbor County; 6 miles in Grays Harbor and Jefferson Counties and 6.5 miles in Jefferson County.

DURHAM SCHOOL BIDS WANTED.

DURHAM, Butte Co., Cal.—Bids will be received by the Trustees of the Durham School District up to August 18th, 2 P. M., for the construction of the new school building. Bids received on this work some time ago were rejected as being too high. Bids will now be taken from revised plans. The building will cost about \$35,000. W. H. Weeks, 75 Post Street, San Francisco, is the architect for the building.

ROAD AND BRIDGE BIDS WANTED

SAN JOSE, Santa Clara Co., Cal.—Bids have been ordered received by the Supervisors up to September 2nd, 11 A. M., for the improvement and construction of the following roads and bridges:

Improvement of Fleming avenue and King road and construction of concrete bridge on Alum Rock avenue over the Arroyo Pescuezo, all in Supervisor District No. 3; also for the construction of concrete culverts and grading and shaping of the Bodfish mill road in Supervisor District No. 1; also for reinforced concrete bridge on Sladky road over Permanente creek in Supervisor District No. 5; all in the county of Santa Clara.

Plans may be had from Henry A. Pfister, County Clerk.

LOS ANGELES COUNTY ROAD BIDS WANTED.

LOS ANGELES, Cal.—Until 2 P. M., August 18, bids will be received by the Supervisors of Los Angeles County for constructing an oil macadam road with disintegrated granite base on Sierra Madre road, Hovey Ave., A St., and Reed road in Road Improvement District No. 149, in accordance with plans and specifications on file at the office of the board. The road to be improved extends from Lancaster to Redman in Antelope valley and is 14.19 miles in length. The macadam paving will be 18 feet in width, 5 in. thick, with disintegrated granite base 4 in. thick and disintegrated granite shoulders. The granite base was laid on a little more than half the length of the road during the war. Following are the approximate quantities: Excavation, 17,223 cu. yds.; shaping culvert, 74,923 lin. ft.; concrete in culvert, 2.15 cu. yds.; reinforcing steel, 11 lbs.; 18-in. corrugated metal pipe, 32 lin. ft.; oil macadam, hauling

and placing, 23,500 tons; oil macadam, furnishing, hauling and placing, 21,460 tons; disintegrated granite for base, shoulders and dips, furnishing, hauling and placing, 1850 tons; average haul for macadam, 7 miles; average haul for granite, 5 miles. About 3500 bbls. of oil will be required. The county will furnish rock only to the value of \$50,000. Estimated cost to contractor, not including rock furnished by county, \$197,200. Estimated total completed cost, \$252,950.22.

STREET WORK BIDS WANTED.

COLUSA, Colusa Co., Cal.—Bids will be received by the City Trustees, B. L. McCue, City Clerk, up to August 25th, 8 p. m., for grading the roadway and paving with bituminous pavement, consisting of an hydraulic concrete base and bituminous wearing surface, and constructing curbs, gutters and culverts, and installing monument cases on the following portions of streets: That portion of Main St. between the East and West side, respectively, of First, Second, Third, Fourth, Fifth, Sixth, Seventh, Eighth, Ninth, Tenth and Eleventh streets; also that portion of Market street between the East and West line of Twelfth street. Also that portion of Fourth street between the North and South sides of Jay street and between the North and South lines extended of the alley between Jay and Market streets; between the North and South line of the alley between Market and Main streets. Also that portion of Sixth and Seventh streets between the North and South boundary of the alley between Market and Main streets and that portion of Fifth street between the North and South line of the alley between Main and Levee streets.

MERCED COUNTY HIGHWAY AND BRIDGE BIDS WANTED.

MERCED, Merced Co., Cal.—Bids will be received by the Merced County Supervisors up to August 18th, 10 A. M., for the following county highway projects:

For the improvement of Merced-Snellings-Merced Falls Road, Section 1.

For the improvement of Atwater-

Winton Road, Section 1.

For the improvement of Merced-Snellings-Merced Falls Road, Section 2.

For the improvement of Hilmar-Irwin-Stevenson Road, Section 1.

For the improvement of Dos Palos Road, Section 3.

For each of the above projects the county will furnish cement, coarse and fine aggregate.

For the construction of 3 reinforced concrete bridges as follows:

Bridge No. 44 on State Highway between Atwater and Livingston and over Atwater canal in section 2, township 7 south, range 12 east about 1¼ miles north and west of Atwater.

Bridge No. 69 on State Highway between Merced and Atwater and over Black Rascal canal between sections 22 and 23 of township 7 south, range 13 east about 1¼ miles north and west of Merced.

Bridge No. 70 on State Highway between Athlone and Chowchilla and over Dutchman creek in section 3, township 9 south, range 15 east, 2½ miles south of Athlone.

Further information may be had from P. J. Thornton, County Clerk.

BIDS WANTED FOR MARE ISLAND BUILDINGS.

Bureau of Yards and Docks, Navy Department, Washington, D. C.—Sealed bids are wanted until August 13, Specification 3391, for torpedo storage, compressor, and separation building, Mare Island, Calif. Estimated cost, \$60,000.

The following firms have taken out plans for this work.

L. A. Conn Iron Works, Borden and Van Pelt avenue, Long Island City, N. Y.

Mesker Bros. Iron Co., 6th, Poplar and 7th streets, St. Louis, Mo.

Lange & Bergstrom, 206 Sharon Bldg., San Francisco, Calif.

Wm. Bayley, Woodward Bldg., Washington, D. C.

American Bridge Co., Washington, D. C.

Truscon Steel Co., Washington, D. C.

LaCour Iron Works, Long Island City, N. Y.

BIDS WANTED FOR THREE REINFORCED CONCRETE BRIDGES.

REDWOOD CITY, San Mateo Co., Cal.—Bids will be received by the Redwood City Trustees up to August 25th, 8 P. M., for the following bridge improvements:

Constructing a reinforced concrete bridge across Redwood Creek on Broadway between Washington St. and Main St.

Constructing a reinforced concrete bridge across branch of Redwood Creek on Webster street between East Jefferson avenue and Broadway.

Constructing a reinforced concrete bridge across branch of Redwood Creek on Maple street between Southern Pacific Company right of way and Franklin street, and channel excavation included therewith. Further information may be had from City Clerk W. A. Price.

WATER TANK AND FRAME BIDS WANTED.

GREEN VALLEY, Santa Cruz Co., Cal.—Bids are being received by the Trustees of the Green Valley School District, P. H. Litchfield, Clerk, for the construction of a water tank with frame on the school property.

Plans were prepared by Architect Ralph Wyckoff, Palmar Valley National Bank Bldg., Watsonville.

STATE HIGHWAY BIDS WANTED.

SACRAMENTO, Cal.—Bids will be received by the State Highway Commission, 515 Forum Bldg., Sacramento, up to 2 p. m., September 2nd, for the construction of the following stretches of highway:

Humboldt County, between Beatrice and Eureka (I-Hum-I-G), about 7.9 miles in length, to be paved with Portland cement concrete.

Stanislaus County, between Oakdale and Easterly Boundary (III-Sta-13-B), about 12.8 miles in length to be paved with Portland cement concrete.

Orange County, between Galivan and Irvine (VII-Ora-2-B), about 9.4 miles in length to be paved with Portland cement concrete.

(For official proposal see Daily Pacific Builder.)

VENTILATING FAN AND HEATING SYSTEM ADDITION BIDS WANTED.

SACRAMENTO, Cal.—Bids will be received by the Board of Education of the Sacramento City School District up to August 21st, 10 A. M., for installing ventilating fan and making changes and additions in heating system for William Land School in the block bounded by 11th and 12th, U and V street.

Further information may be had from Chas. C. Hughes, Secretary of the Board of Education, City Hall, Sacramento.

STREET & SEWER BIDS WANTED.

RICHMOND, Contra Costa Co., Cal.—Bids will be received by the City Council, A. C. Faris, City Clerk, up to August 18th, 8:30 P. M., for the following street improvements:

That 6 inch sewers of standard salt glazed, vitrified sewer pipe be constructed in the Brown Andrade Tract, in Garvin Ave. between Thirteenth and Fourteenth Sts and between Twenty-first and Twenty-third streets in Burbeck Ave. between Thirteenth and Twentieth streets and between Twenty-first and Twenty-third Sts.; in Thirteenth St. between Lucas and Clinton Aves.; and in Twenty-first and Twenty-second Sts. between Garvin and Burbeck Aves.

That manholes of brick and cement concrete, with cast iron rims and covers, lampholes of standard salt glazed, vitrified sewer pipe, with cast iron rims and covers, and wye branches of standard salt glazed, vitrified sewer pipe, be constructed on said sewers.

NOTE.—Contract for this work was awarded to L. L. Page but owing to an error in the proceedings he was allowed to withdraw from the contract.

BIDS WANTED FOR SCHOOL BONDS

HANFORD, Kings Co., Cal.—Bids will be received by the County Supervisors for the purchase of the \$4,500

bond issue of the Eucalyptus School District up to August 16th. Proceeds of the sale will finance construction of school improvements.

That Twenty-fifth, Twenty-sixth and Twenty-eighth streets, between the N and S boundary lines of Richmond Fifth Addition, be graded and paved with a 5 inch cement concrete base, and a wearing surface of asphalt and broken rock; that curbs, gutters, sidewalks and wing walls of cement concrete be constructed, and that curbs and gutters of cement concrete be reconstructed on Twenty-fifth St. between the S line of Richmond Fifth Addition, and Grant Avenue.

REINFORCED CONCRETE BRIDGE BIDS WANTED.

SAN RAFAEL, Marin Co., Cal.—Bids will be received by the Marin County Supervisors, Rob E. Graham, County Clerk, up to August 18th, 2 P. M., for the construction of a reinforced concrete bridge on the State Highway leading from Petaluma to San Rafael at Station 629x70 of the State Highway Survey.

BRIDGE BIDS WANTED.

HELENA, Montana.—Paul Pratt, Montana State Highway Engineer, has completed plans and specifications for two large concrete bridges to be erected at Great Falls, Montana. Bids have been ordered received up to August 25th.

Both structures will cost in the neighborhood of \$467,000.

STREET WORK BIDS UNDER ADVERTISEMENT.

SACRAMENTO, Cal.—Bids received by the City Commissioners, M. J. Desmond, City Clerk, for the lowering of the grade on Twenty-first street at the Y street levee have been referred to the Street Department for report. Bids were received from the following firms: Clark & Henry Construction Company, McGilivray Construction Company, and A. Telchert & Son.

ROAD MACHINE BID UNDER ADVERTISEMENT.

SACRAMENTO, Cal.—The bid of the Spears-Wells Machine Co., of Oakland, for furnishing and delivering to the city of Sacramento one street planer and scarifier, has been referred to the Street Department for report.

M J Desmond is City Clerk of Sacramento.

MODESTO IRRIGATION DISTRICT WANTS BIDS FOR CONCRETE SPILLWAYS AND LATERAL EXTENSION.

WATTFORD, Stanislaus Co., Cal.—Bids will be received by the Directors of the Watford Irrigation District, J R Bröder, Secretary, up to August 20th 10 A. M., for work under four separate sections:

Section 26V—Which is the construction of a concrete spillway, and a 24-inch diameter steel, reinforced concrete, or concrete and steel pipe siphon on Lateral 3B crossing Dry Creek.

Section 30—Which is the construction of a concrete spillway for Lateral B into Salter Ravine, and of

an earth fill dam with concrete lateral headgate and concrete wasteway in Salter Ravine near the Waterford Grange road.

Section 31—Which is the construction of a reinforced concrete spillway for the Lower Main Canal into Tuolumne River at a point approximately one mile southwest of the town of Waterford.

Section 32—Which is the extension of Lateral No. 12 through approximately one-quarter of a mile of open canal, the construction of one wooden drop and two concrete pipe chutes; all approximately three and one-half miles southwest of the town of Waterford.

More detailed information as to character and approximate quantities of work and location may be obtained upon request from the Secretary of the Board of Directors. A deposit of \$5.00 is required upon all plans and specifications.

All bids are to be compared upon the basis of the Chief Engineer's estimate of the quantities of work to be done, and award of contract or contracts will be made to the lowest responsible bidder or bidders, subject to the right of the Board of Directors to reject any or all bids.

COMFORT STATION BIDS WANTED

SACRAMENTO, Cal.—Bids will be received by the City Commissioners, M. J. Desmond, City Clerk, up to August 28th, for the erection of a cor fort station and tool house in the City Cemetery.

Further information and plans may be had from the City Clerk.

BIDS WANTED FOR PURCHASE OF BATH HOUSE BONDS.

COLUSA, Colusa Co., Cal.—Bids are being received for the purchase of the recently voted \$20,000 issue of municipal bath house bonds. Further information regarding the sale may be had from B. L. McCue, City Clerk.

STREET WORK BIDS WANTED.

MERCED, Merced Co., Cal.—Bids will be received by the City Trustees, J. D. Wood, City Clerk, up to August 18th, 8 P. M., for the following improvements:

That the alley in Block 106 be graded, curbed with concrete curbs, paved with a four-inch hydraulic cement concrete base.

That the alley in Block A be graded curbed with concrete curbs, paved with a four-inch hydraulic cement concrete base, and that drains with manholes of concrete and cast iron be constructed therein.

CHICO TO CALL PAVING BIDS.

CHICO, Butte Co., Cal.—Bids will be ordered received within the next few days by the City Trustees for the paving of Fourth street from Main to the Fourth street entrance of Bidwell Park. Plans for the work have already been approved.

NO BIDS RECEIVED FOR WASHOE SUMMIT TO STEAMBOAT SPRINGS SECTION OF NEVADA STATE HIGHWAY.

CARSON CITY, Nevada.—No bids were received by the Nevada State Highway Commission for the construction of Section A-1, Route 3,

Washoe County, Washoe Summit to Steamboat Springs highway and it is probable that new bids will be called for. The estimate of the State Engineer for the work is \$61,658.

ROAD ESTIMATES ORDERED.

OROVILLE, Butte Co., Cal.—The Supervisors have instructed Martin Polk, County Engineer, to prepare plans and estimates of cost for constructing a road leading from Myers street into the territory now occupied by the canneries.

SANTA CRUZ COUNTY HIGHWAY STREET WORK BIDS WANTED.

REDWOOD CITY, San Mateo Co., Cal.—Up to August 18th, 8 p. m., bids will be received by the City Trustees for the improvement of Maple street from Franklin street to El Camino Real. The improvements are to consist of a concrete retaining wall along the westerly bank of the Maple street creek for a distance of 130 feet for the purpose of holding up the roadway and the paving of a portion of the roadway of Maple street 20 feet wide with crushed rock and asphaltic road oil. The estimated cost of the work is \$5,000.

ROAD BOARD ELECTION PLANNED.

ABERDEEN, Wash.—The City Council has voted to call a special election to issue bonds for \$125,000 to build a permanent road in place of the long trestle now giving entrance to the city from the east. The election will be held August 26th.

STREET WORK BIDS WANTED.

FRESNO, Fresno Co., Cal.—The City Council, Chas. Dillon, City Clerk, will receive bids up to August 18th, 8 p. m., for street improvements as follows:

That E street from Fresno street to Merced street be (1) Graded between curb lines; (2) curbed and guttered with cement concrete curb and gutter and (3) paved between gutter lines with a pavement consisting of a 4-inch cement concrete base and a bitulithic wearing surface 1½ inches thick.

That Ventura avenue from R street to P street be (1) graded between property lines; (2) curbed and guttered with cement concrete curb and gutter; (3) culverted with corrugated iron culverts, and (4) paved with a pavement consisting of a cement concrete base 4 inches thick and a bitulithic wearing surface 1½ inches thick.

That Thomas avenue from Blackstone avenue to San Pablo avenue be: (1) Graded between property lines; (2) curbed with cement concrete curb, (3) sidewalked with artificial stone sidewalk, (4) oiled between curb lines.

That the north side of Cambridge avenue between Maroa avenue and Wishon avenue be: (1) Curbed with cement concrete curb, and (2) sidewalked with artificial stone sidewalk.

BRIDGE BIDS WANTED.

HANFORD, Kings Co., Cal.—Bids have been ordered received by the City Trustees up to August 26th for construction of a bridge across Kings River near Kingsburg.

BIDS WANTED FOR SCHOOL SANITARY AIR PRESSURE WATER SYSTEM.

DELTA VIEW, Miss. Co., Cal.—Bids will be received by the Trustees of the Delta View School District, up to August 19th, 6 p. m., for the installation of a sanitary air pressure water system, the tank of said system to comply with the school laws of the State of California, and the pump to deliver 900 gallons of water per hour. The Board reserves the right to reject any or all bids.

Bids will be received by the Clerk, S. M. Ingram, at his home address, Route 1, Box 34, Hanford, California.

HIGHWAY BIDS WANTED.

BOISE, Idaho.—Bids will be received by the Commissioner of Public Works of the State of Idaho until 2 p. m., August 22, for the construction of 30.5 miles of the north and south State highway, in Adams and Idaho Counties between New Meadows and Whitebird. Plans, specifications and other information may be obtained at the office of the Director of Highways, Boise, Idaho, and at the Employers' Association of the Inland Empire, Hutton Bldg., Spokane, Wash.

OREGON HIGHWAY COMMISSION REJECTS HIGHWAY BIDS.

PORTLAND, Ore.—The State Highway Commission, Yeon Bldg., Portland, has rejected all bids received for the West Side Highway from Corvallis south. The work covers approximately 7.95 miles of grading and paving.

RETAINING WALL BIDS WANTED.

REDWOOD CITY, San Mateo Co., Cal.—Bids will be received by the County Supervisors, Elizabeth M. Nash, County Clerk, up to September 2nd, 10 A. M., for the construction of a retaining wall on the Redwood City to La Honda Road in the Third Road District.

Plans are on file at the office of the County Clerk in Redwood City.

GRADING BIDS WANTED.

NAPA, Napa Co., Cal.—Bids have been ordered received by the County Supervisors, Jas. A. Daly, County Clerk, up to August 19th, 10 a. m., for grading a portion of the county highway beginning in the Napa-California road near the north boundary of the town of Yountville and extending northerly on or near said road to a point 1 1/4 miles distant from the point of beginning.

Bids were also ordered received to close on the same date for the grading of a portion of the county road between St. Helena, and the St. Helena Sanitarium, from a point where said road crosses Napa River and extending to the forks of the road near the Food Factory.

The estimated cost of the work, including the materials to be furnished by Napa County is \$4,000.00.

CHEMICAL AND SCIENCE SUPPLY BIDS WANTED.

OAKLAND, Cal.—Bids will be received by the Board of Education, Dan W. Pratt, Secretary, Room 1101 City Hall, up to August 18th, 4:30 P. M., for furnishing certain chemical and science supplies.

BRIDGE APPROACH IMPROVEMENT BIDS WANTED.

FRESNO, Fresno Co., Cal.—Bids will be received by the City Clerk, Chas. Dillon City Clerk, up to 8 p. m., August 18th, for furnishing labor and materials for the improvement of the approaches of the Park Boulevard bridge.

Plans and further information may be had from the City Clerk at Fresno.

STATE OF CALIFORNIA.

DEPARTMENT OF ENGINEERING.

CALIFORNIA HIGHWAY COMMISSION

NOTICE TO CONTRACTORS.

SEALED PROPOSALS will be received at the office of the California Highway Commission, 515 Forum Building, Sacramento, Cal., until 2 o'clock P. M., on September 2, at which time they will be publicly opened and read for construction in accordance with the specifications therefor, to which special reference is made, portions of State highway as follows: Humboldt County, between Beatrice and Eureka (1-Hum-1-6), about 7.9 miles in length to be paved with Portland cement concrete.

Stanislaus County, between Oakdale and Easterly Boundary (III-Sta-13-B), about 12.8 miles in length to be paved with Portland cement concrete.

Orange County, between Galivan and Irvine (VII-Or-2-B), about 2.4 miles in length to be paved with Portland cement concrete.

Plans may be seen, and forms of proposals, bonds, contract, and specifications may be obtained, at the said office, and they may be seen at the office of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated.

The Division Engineers' offices are located at Willits, Dunsuir, Sacramento, San Francisco, San Luis Obispo, Fresno, and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal for full directions as to bidding quantities of work to be done, etc.

The Department of Engineering reserves the right to reject any or all bids or to accept the bid deemed for the best interests of the State.

NEWELL D. DARLINGTON,
CHARLES A. WHITMORE,
GEO. C. MANFIELD,
AUSTIN B. FLETCHER,
Highway Engineer.

WILSON R. ELLIS, Secretary.
Dated: August 4, 1919.
Aug 9-16-23-30

STATE OF CALIFORNIA.

DEPARTMENT OF ENGINEERING.

CALIFORNIA HIGHWAY COMMISSION

NOTICE TO CONTRACTORS.

SEALED PROPOSALS will be received at the office of the California Highway Commission, 515 Forum Building, Sacramento, Cal., until 2 o'clock P. M., on August 27, at which time they will be publicly opened and read for construction in accordance with the specifications therefor, to which special reference is made, portions of State highway as follows:

Lake County, between the westerly boundary and Lakeport (I-Lakeport-1-1), about 9.4 miles in length to be graded.

Santa Barbara County, between Divide and Orcutt (V-SB-2-A), about 2.6 miles in length to be paved with Portland cement concrete.

Ventura County, between the southerly boundary and Conejo Grade (VII-Ven-1-B), about 5.2 miles in length to be paved with Portland cement concrete.

Los Angeles County, between Lankershim Boulevard and South Sherman Way, (VII-LA-2-A) about 5.2 miles in

length, to be paved with Portland cement concrete and asphaltic surfacing.

Los Angeles County, between Russell Ranch and the westerly tounary (VII-LA-2-C), about 1.3 miles in length, to be paved with Portland cement concrete.

Plans may be seen, and forms of proposals, bonds, contract, and specifications may be obtained, at the said office, and they may be seen at the office of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineers' offices are located at Willits, Dunsuir, Sacramento, San Francisco, San Luis Obispo, Fresno, and Los Angeles.

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NEWELL D. DARLINGTON,
CHARLES A. WHITMORE,
GEO. C. MANFIELD,
AUSTIN B. FLETCHER,
Highway Engineer.

WILSON R. ELLIS, Secretary.

Dated: July 28 1919.

BIDS FOR BORING AT FREMONT WEIR SITE WANTED.

SAN FRANCISCO.—Engineer Office, U. S. Army, Room 405, Customhouse, San Francisco, will receive bids up to August 20th, 10 A. M., for borings at the Fremont Weir site on the Sacramento River about twenty-five miles above Sacramento. The borings are for the purpose of determining the character of the foundation of the Fremont Weir. About 43 borings will be required to complete the work.

SIDEWALK BIDS WANTED.

SAN LEANDRO, Alameda Co., Cal.—The City Trustees have passed a resolution of intention providing for the construction of cement sidewalks 5 feet in width on both sides of Estudillo avenue between East Fourteenth street and Santa Clara avenue. J. J. Gill is City Clerk.

HARBOR BOARD WANTS PAVING BIDS.

SAN FRANCISCO.—Bids will be received by the State Board of Harbor Commissioners, Frank G. White, Chief Engineer, Ferry Bldg., up to August 20th, 11 A. M., for paving portions of The Embarcadero along Sections 2 and 3 of the Seawall.

The work will consist of furnishing labor, materials and constructing 50,990 feet of 2 1/2 inch bituminous concrete pavement on standard concrete base; 3,540 sq. ft. of 2 1/2 inch bituminous concrete pavement on special concrete base, or alternative bids for 50,990 sq. ft. of 8 inch concrete base with seal coat wearing surface; 3,540 sq. ft. of special grouted track base with seal coat wearing surface.

E

DRY DOCK PERMIT HELD UP BY HARBOR BOARD.

SAN FRANCISCO.—The application of the Bethlehem Shipbuilding Corporation to construct a dry dock at their plant has been held up by the State Board of Harbor Commissioners, Frank G. White, Chief Engineer. Favorable action on the appli-

cation was expected. The dock will cost in the neighborhood of \$250,000.

Street Work Contract Awarded.

SALINAS, Monterey Co., Cal.—The City Council has awarded a contract to the Granite Rock Co., Salinas, for the improvement of Gabilan street between Main and Monterey streets by the breaking up and regarding the surface of the present roadway, and laying an asphaltic oil macadam surface. The bid was 1½ cents per sq. ft. for breaking up and regrading and 6½ cents per sq. ft. for macadam surface.

STREET AND SEWER WORK PLANNED.

OAKLAND, Cal.—The City Council, L. W. Cummings, City Clerk, has passed a resolution of intention providing for the improvement of portions of 56th avenue, between East 14th and East 16th streets, by grading, curbing and paving; also for the improvement of 47th avenue between East 14th street and the SW line of the "Huntington Tract."

BIDS REJECTED FOR SUTTER BY-PASS WORK—TO BE DONE BY DAY LABOR.

SACRAMENTO, Cal.—The State Reclamation Board, for the third time, has rejected proposals submitted for the Sutter By-Pass work, and has ordered that improvements proceed under the Day Labor system. The following contractors will turn over their equipment and will accept warrants at their face value for services performed: The Ross Construction Co., Sacramento, Cal.; Argyle Construction Co., Sacramento, Cal.; Lisbon Dredging Co., San Francisco, Cal.; Sutter Basin Dredging Co., Sacramento, Cal.; Ajax Dredging Co., San Francisco, Cal.; Antioch Dredging Co., Antioch, Cal.

The saving under the arrangements agreed upon will save the reclamation district close to \$300,000, based upon the previous estimated costs to carry on the work estimated at close to \$3,000,000.

DEFER ACTION ON STREET WORK

SAN MATEO, San Mateo Co., Cal.—Owing to protests from residents of the Hayward Addition, the City Trustees have laid over the matter of the proposed paving of avenues between B street and the railroad. The matter will be taken up at the next meeting.

STREET AND SEWER CONTRACTS AWARDED.

OAKLAND, Cal.—The City Council L. W. Cummings, City Clerk, has awarded contracts as follows: For the construction of sewers in Eighth avenue. Awarded to Oakland Paving Co.

For paving, construction of gutters, curbs, etc., in Short street, and for the paving of Pleasant street from Champion street to Boston avenue and Harvey avenue between 55th and 57th avenues; awarded to Hutchinson Company.

For the construction of sidewalks, culverts, etc., in Fruitvale avenue; awarded to Bates & Borland.

For the construction of sewers, manholes, etc., in East 14th street awarded to J. Catucci.

WOODLAND PLANS ADDITIONAL STREET WORK.

WOODLAND, Yolo Co., Cal.—The City Trustees have adopted plans for the improvement of College avenue from Main to Hays street. Specifications call for approximately 96,000 square feet of paving with a grading removal of 3,000 yards of surplus earth to prepare proper grade. Plans were prepared by City Engineer A. G. Proctor.

TO BOND FOR MEMORIAL AUDITORIUM AND SCHOOLS.

SANTA ROSA, Sonoma Co., Cal.—This city is preparing for the voting of \$250,000 bonds for the erection of a memorial auditorium and two school buildings honoring her soldiers and sailors who served in the war and perpetuating their memory.

SCHOOL BONDS SOLD.

MARYSVILLE, Yuba Co., Cal.—The \$12,000 bond issue of the Cordua School District has been sold by the County Supervisors. Proceeds of the sale will finance construction of a new school building.

SCHOOL BONDS.

MARTINEZ, Contra Costa Co., Cal.—An election has been called in the Pleasant Hill School District for Aug. 25th to decide the question of issuing and selling bonds of \$12,000 with which to finance construction of a new school building. S. L. Dukes, Grace A. Putnam and Theodore Hook are trustees of the district.

HOSPITAL PAINTING CONTRACT AWARDED.

STOCKTON, San Joaquin Co., Cal.—The Supervisors have awarded a contract to Gibson & Eichenberger for painting the county hospital wards and buildings on their bid of \$2,150.

MODESTO TO VOTE SCHOOL BONDS.

MODESTO, Stanislaus Co., Cal.—September 4th is the date set by the Modesto City School District to decide the question of issuing bonds of \$185,000 with which to finance the purchase of school sites, erect additions to the present schools, and construct new buildings.

Members of the Modesto Board of Education are: C. R. Gaifus, Ella M. Hazen, C. A. Hansen, Walter Johnson and J. W. Guyler.

STREET AND SEWER WORK PLANNED.

OAKLAND, Cal.—The City Council, L. W. Cummings, City Clerk, has adopted plans and passed resolutions of intention providing for the following street improvement:

Eight street between Clay and Market by grading, concrete curbing, brick guttering, laying of an asphalt pavement, construction of brick catchbasins with cast iron top and resetting curbs.

East Tenth street between Fruitvale avenue and High street by grading, construction of concrete curbing and gutters, laying an oil macadam pavement, constructing corrugated iron and concrete culverts and a vitrified pipe sewer.

GUTTER AND CURBING CONTRACT AWARDED.

WOODLAND, Yolo Co., Cal.—The City Trustees have awarded a contract to Matroni & Fatta for the laying of gutters and curbing in First street from Marshal to Hays street at 69 cents per lineal foot.

A. G. Proctor is City Engineer.

CONCRETE HIGHWAY PLANS ORDERED.

NAPA, Napa Co., Cal.—The County Supervisors have instructed the County Engineer to prepare plans and specifications for the cement concrete highway from Napa to Calistoga.

Jas. A. Daly is County Clerk.

BRIDGE WORK PLANNED.

EUREKA, Humboldt Co., Cal.—The Humboldt County Supervisors have adopted a resolution authorizing the State Highway Commission to construct a bridge across Dean creek on the state highway near the Buhne ranch north of Garberville. The cost to the county is not to exceed \$8,000.

ESTIMATES ORDERED FOR TRANSMISSION LINE.

MODESTO, Stanislaus Co., Cal.—Percy V. Jones, Chief Engineer of the Modesto Irrigation District, has been instructed by the Directors to prepare estimates of cost for a transmission line from the site of the proposed dam at Don Pedro's bar on the Tuolumne River to the city of Modesto.

This is in accordance with the district's plan to furnish power to the people in the district if the Don Pedro bond issue is successful.

A. J. Wiley is special consulting engineer for the district.

TO BOND FOR DRAINAGE SYSTEM.

ANDERSON, Shasta Co., Cal.—The Directors of the Anderson-Cottonwood Irrigation District are planning a bond election to secure funds to finance construction of a drainage system. This action was taken after several requests were made by members of the various farm centers.

The directors are preparing to call for more money to complete the construction of the irrigation system, for which it is estimated \$160,000 will be required, and to construct the drainage system \$40,000 more will be added, making a total of \$200,000.

The State Engineer will be asked to approve the plans and bond issue, and is expected to pass on the matter as soon as possible.

SEWER AND STREET WORK CONTRACTS AWARDED.

SOUTH SAN FRANCISCO, San Mateo Co., Cal.—The City Trustees have awarded a contract to the Raised Improvement Co. for the construction of sewers and paving the unimproved portions of California avenue, Pine avenue, Aspen avenue, Juniper avenue, Olive avenue and Cypress avenue, while the Fay Improvement Co. was awarded the contract for work in the High School Park addition, the latter contract covering the improvement of Spruce, Walnut and Lux avenues and Park Way. The contract about \$115,000.

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CONCRETE HIGHWAY CONTRACT AWARDED.

EUREKA, Humboldt Co., Cal.—The County Supervisors have awarded a contract to Elsemore & Jacobs for concreting the 3.85 miles of highway between Fernbridge and Ferndale, on their bid of \$83.24 per rod for plain concrete and \$93.24 a rod for reinforced concrete. On this basis the contract will amount to about \$93,228. The County Surveyor is authorized to specify the places where reinforced concrete shall be used.

The other bidders were the Merser-Fraser Company, Fadgett & Kelly, and Blanchard, Crocker & Howell, of San Francisco.

WOODLAND RECEIVES BIDS FOR STREET WORK.

WOODLAND, Yolo Co., Cal.—The following bids were received by the City Trustees for the paving of First street, according to plans prepared by City Engineer A. G. Proctor.

A. Telchert & Son, Sacramento, 18.4 cents a square foot; McGilvary & Co., 19.2 cents, and Clark & Henery, 16.7 cents.

As the lowest of the bids was 3 cents per square foot over the estimate the bids were taken under advisement.

ROAD BONDS.

LA GRANDE, Ore.—Petitions are in circulation asking the calling of an election to vote bonds of \$1,500,000 with which to finance construction of a modern highway system in Union County.

LOW BIDDER FOR WEIMAR HOS- PITAL OIL BURNING SYSTEM.

SACRAMENTO, Cal.—The Matthews Construction Co., Sacramento, submitted the low bid for the installation of the oil burning system for the Weimar Joint Tuberculosis Hospital at \$15,750. The bid was referred to the joint building committee.

Plans were prepared by Architects R. A. Herold and J. Stanton, Associated, Forum Bldg., Sacramento.

The hospital building is being erected by the following counties: Tuolumne, Sierra, Amador, Colusa, El Dorado, Sacramento, Plumas, Contra Costa, Yolo and Yuba.

ROAD BIDS REJECTED. WORK ORDERED DONE BY DAY LABOR.

SAN JOSE, Santa Clara Co., Cal.—The following bids were received by the County Supervisors for the resurfacing of Tully, Senter, Storey, King and Aborn roads in Supervisor District No. 2:

Surveyor's estimate, \$10,068: C. H. Ellison, \$13,796.

The bid was considered too high and the work ordered done by day labor under the supervision of County Surveyor Irving L. Ryder.

PAVING WORK PLANNED.

VALLEJO, Solano Co., Cal.—The matter of paving Fourth street as a connecting link between North and South Vallejo will be taken up with the City Council at the next meeting by a committee headed by Fred Hilbert, who has large interests in South Vallejo.

SCHOOL BONDS.

SACRAMENTO, Cal.—Bids are being received by the County Supervisors for the purchase of the \$5,000 worth of improvement bonds recently voted by the Reach School District.

GOVERNMENT WANTS BIDS FOR PEARL HARBOR TORPEDO RACKS.

Bureau of Yards and Docks, Navy Department, Washington, D. C.—Sealed bids are wanted until August 20, under specification 4008, for torpedo racks at Kiahua, Pearl Harbor, Hawaii. Estimated cost, \$28,000. Deposit of \$10 required for plans. For information address the above office.

RESERVOIR WORK PLANNED.

SEATTLE, Wash.—The detailed specifications, proposal and contract for the construction of the intake, outlet conduit, controlling works and pipe lines at the Swan Lake reservoir as provided by Ordinance 37520, and later amended by Ordinances 37622 and 37660 have been presented to the Board of Public Works by City Engineer A. H. Dimock and were referred to a committee of board members, which will examine and report on same.

STREET WORK PLANNED.

OAKLAND, Cal.—The City Council, L. W. Cummings, City Clerk, has passed a resolution of intention providing for the improvement of Jefferson street between 1st and 7th streets by the construction of curbs, gutters, and the laying of an asphalt pavement.

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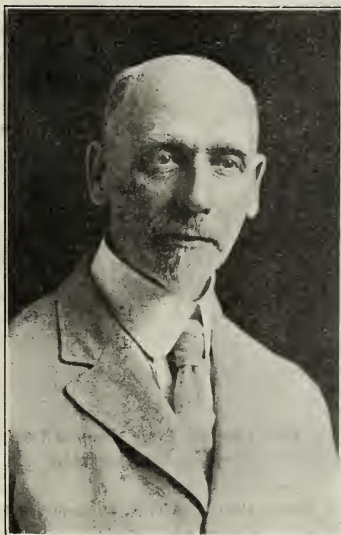
Telephone Douglas 2372

Publication Office
560 Mission Street

San Francisco, Cal., August 20, 1919

Published Every Wednesday
Nineteenth Year, No. 34

Dr. Newell will talk
At the Luncheon of
The Engineers Club
On the 26th of August
Dr. Newell will address
A general meeting of
Engineers on the night
Of the 27th of August
In the rooms of the
San Francisco Commercial



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L. D. HOWLAND, Engineer, C. C. Moore Co.....	FIRST VICE-PRESIDENT
J. F. JOHNSTON, Service Manager Union Construction Co.....	SECOND VICE-PRESIDENT
I. G. GRUNDEL, Engineer Union Oil Co.	THIRD VICE-PRESIDENT

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E. H. Herbert	Oliver Mfg. Co.
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POLITICAL COMMITTEE

FELLOWSHIP COMMITTEE

W. H. Rupp	S. P. R. R.
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PUBLICITY COMMITTEE

E. D. Brown	Redwood Mfgs Co.
G. M. Nelson.....	Consulting Engineer

EMPLOYMENT REPRESENTATIVE.

F. J. Amweg	Consulting Engineer.
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COMPENSATION COMMITTEE.

G. M. Nelson.....	Consulting Engineer
E. V. Vandercook	S. P. R. R.
W. T. Cleland	Chief Dep. Surveyor Santa Clara Co.
V. D. Cousins.....	P. T. & T. Co.

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D. L. Reynolds.....	Pacific Fruit Ex. Co.
F. J. Amweg	Consulting Engineer
W. H. Rupp.....	Southern Pacific R. R.
E. D. Brown.....	Redwood Mfrs. Co.
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Committee Meeting Every Friday, 7:30 P. M. at Chapter Office.

San Francisco Chapter Office, 700 Marston Bldg.

A. G. Mott, Secretary

244 Kearny St., S. F.

Building and Engineering News

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on the Pacific Coast.

Issued Weekly, \$4.00 per year

San Francisco, Cal., August 20, 1919

Nineteenth Year, No. 34



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L. A. LARSEN,
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560 Mission Street.
Telephone—Douglas 2372.

SEALED PROPOSALS.

STATE HIGHWAY BIDS WANTED.

SEALED PROPOSALS will be received at the office of the California Highway Commission, 515 Forum Building, Sacramento, Cal., until 2 o'clock P. M., on September 8, at which time they will be publicly opened and read for construction in accordance with the specifications therefor, to which special reference is made, portions of State highway as follows:

Placer County, between Auburn and Northerly Boundary (III-Pla-17-C), about 6.6 miles in length to be paved with Portland cement concrete.

Amador County, between Ione and Jackson (III-Ama-34-B), about 10.7 miles in length to be graded.

Tulare County, between Visalia and Fulghams Corners (VI-Tul-4-D and 10-B), about 1.5 miles in length to be surfaced with asphalt.

Plans may be seen, and forms of proposals, bonds, contract, and specifications may be obtained, at the said office, and they may be seen at the office of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineers' offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno, and Los Angeles.

NEWELL D. DARLINGTON,
CHARLES A. WHITMORE,
GEO. C. MANSFIELD,

California Highway Commission.
AUSTIN B. FLETCHER,
Highway Engineer.
WILSON R. ELLIS,
Secretary.

Dated: August 11, 1919.

NOTICE TO CONTRACTORS.

SEALED PROPOSALS will be received by undersigned to 12 o'clock Noon, August 27, 1919, for construction of the following section of the State Highway System of Nevada:

(1) A portion of State Highway between Washoe Summit and Huf-faker's, Washoe County, 3.94 Miles. Approximately 18,000 cu. yds. Excavation unclassified; 45 cu. yds. Class "A" Concrete; 30 cu. yds. Class "B" Concrete; 40 cu. yds. Dry Rubble Masonry; 344 lin. ft. 15" Corrugated Metal Pipe; 150 lin. ft. 18" Corrugated Metal Pipe; 38 lin. ft. 30" Corrugated Metal Pipe; 30 lin. ft. 36" Corrugated Metal Pipe; 118 lin. ft. 15" Vitrified Clay Pipe; 120 lin. ft. Guard Rail; 64 Monuments.

Plans may be examined and forms of Proposals, Contract and Specifications secured at office of undersigned, may also be examined at County Clerk's office in Reno, Nevada. Cash deposit of \$15.00 with undersigned required for copy of each of above plans which will be refunded on their return in good condition. Bids must be on proposal form of Highway Department. Right is reserved to reject any or all bids.

C. C. COTTRELL,
State Highway Engineer.
Carson City, Nevada.

STATE OF CALIFORNIA.

DEPARTMENT OF ENGINEERING.

CALIFORNIA HIGHWAY COMMISSION

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Humboldt County, between Beatrice and Eureka (I-Hum-1-G), about 7.9 miles in length to be paved with Portland cement concrete.

Stanislaus County, between Oakdale and Easterly Boundary (III-Sta-13-B), about 12.8 miles in length to be paved with Portland cement concrete.

Orange County, between Galivan and Irvine (VII-Or-2-B), about 9.4 miles in length to be paved with Portland cement concrete.

Plans may be seen, and forms of proposals, bonds, contract, and specifications may be obtained, at the said office, and they may be seen at the office of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineers' offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno, and Los Angeles.

No bid may be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notes to Contractors" annexed to the blank form of proposal for full directions as to bidding quantities of work to be done, etc.

The Department of Engineering re-

serves the right to reject any or all bids or to accept the bid deemed for the best interests of the State.

NEWELL D. DARLINGTON,
CHARLES A. WHITMORE,
GEO. C. MANSFIELD,
California Highway Commission.
AUSTIN B. FLETCHER,
Highway Engineer.
WILSON R. ELLIS,
Secretary.

Dated: August 4, 1919.
Aug. 9-16-23-30

BLUE LAKE, Humboldt Co., Cal.—The City Trustees have awarded a contract to J. D. Golden at 60 cents per foot to furnish and install 500 feet of 18-inch storm tile in Hartman street.

EUREKA, Humboldt Co., Cal.—The County Supervisors are considering the petition of a committee from Shively and vicinity and delegates from the Northwestern California Counties Goods Roads Ass'n. asking that a Government Engineer be secured to lay out a system of good roads for Humboldt County.

A petition has also been received by the Board asking the immediate construction of a bridge across Eel River at Shively.

STOCKTON, San Joaquin Co., Cal.—Bids will be received by the County Supervisors up to September 2nd, 10 A. M., for improving the county road from the one-quarter section, corner between Sections 26 and 27, T. 1 N., R. 7 E., M. D. B. & M., in O'Neal road district, south, a total distance of 7012 feet, in accordance with plans and specifications prepared by County Surveyor Quail.

Plans may be had from the County Clerk, Eugene D. Graham.

SACRAMENTO, Cal.—The City Commissioners have passed a resolution of intention providing for the following work:

Improving 21st street near Y street and Freeport Boulevard, from Y street to Second avenue by constructing concrete curb and gutter; concrete sidewalks; 1 concrete man-hole; 9 cast iron gutter drains; 8 inch vitrified ironstone pipe sewer; grading the roadway and constructing a pavement of hydraulic concrete and a bitulithic wearing surface.

M. J. Desmond is City Clerk.

BAKERSFIELD, Kern Co., Cal.—Until 5 p. m., August 25, bids will be received by City Clerk V. Vanripper for improving K St. between Fourteenth and Eighteenth Sts., and Seventeenth St. between Cedar and Q streets, and portions of Q and Cedar Sts., by grading and paving with 3-in. asphaltic concrete base and 1½-in. bitulithic surface and constructing cement curbs, gutters, sidewalks and culverts. Bonds will be issued for

American Association of Engineers

The Technical Engineers' Service Organization.

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President—Dr. F. H. Newell, University of Illinois, Urbana, Ill.
 First Vice-President—W. W. DeBerard, Western Editor Engineering News-Record, Chicago.
 Second Vice-President—T. A. Evans, Structural Engineer, Meade-Morrison Co., Chicago.
 Treasurer—John Ericson, City Engineer, Chicago.
 Secretary—C. E. Drayer.

Directors.

W. H. Finley, President, C. & N. W. Ry., Chicago, Ill. Past President.
 W. W. K. Sparrow, Chief Engineer C. M. & St. P. Ry., Chicago.
 P. E. Harroun, Consulting Engineer, San Francisco, Calif.
 R. Burnham, Consulting Engineer, Chicago, Ill.
 F. D. Richards, Bridge Engineer, City of Cleveland.
 A. A. Matthews, Chief Engineer St. L. S. W. R. R., Tyler, Texas.
 E. F. Collins, Valuation Engineer St. L.-S. F. Ry., St. Louis.
 C. H. Crawford, Baldwin Locomotive Works, Philadelphia.
 Harold Almert, Consulting Engineer, Chicago.
 F. K. Bennett, Principle Assistant Engineer M. & St. L. Ry., Minneapolis.
 J. H. Prior, Consulting Engineer, Chicago.
 Alexander Potter, Civil Engineer, New York City.
 J. N. Hatch, Consulting Engineer, Chicago.

NATIONAL HEADQUARTERS

29 S. La Salle St.

Chicago, Ill.

SACRAMENTO CHAPTER.

W. S. Caruthers, Civ. Eng.....Pres.
 F. B. Gillette, Mech. Eng.....1st V.-P.
 R. Walsh, Civ. Eng.....2nd V.-P.
 G. H. P. Lichthard, Chem. Eng.3d V.-P.
 H. A. Lathrop, Civ. Eng.....Sec.-Treas.
 Chapter Office: 1331 33rd St.

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 E. Hardy MerrillTreasurer
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F. W. HowardSecretary
 Chapter Office: Eureka, Calif.

FRESNO CHAPTER.

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 John A. DronSecretary
 Chapter Office: 960 "S" St., Fresno.

SAN BERNARDINO CHAPTER.

M. A. Woods.....Secretary
 Chapter Office: 608 Tenth St.

American Association of Engineers

EDITORIAL STAFF.

George M. Nelson.....Consulting Eng.
E. D. Brown.....Redwood Mfgs. Co.
J. H. Knowles.....Ch. Eng. W. P. Co.
D. L. Reynolds.....Pac Fruit Express.
C. D. Stone.....S. P. Co.
A. B. Hartley.....S. P. Co.
H. W. Schrieber.....Union Con. Co.

NATIONAL HIGHWAYS ENDORSED.

San Francisco Chapter Discusses Townsend Bill.

The plan for a National Highway system as embodied in the Townsend Bill, which is now before the Senate at Washington, was a subject for discussion at the meeting of the San Francisco Chapter of the American Association of Engineers, held on the evening of August 7th. The Committee on Political Activity presented a synopsis of the features of the bill.

The bill provides that the National Government shall establish a system of highways throughout the country, to comprise not less than 2 per cent nor more than 5 per cent of the highway mileage used in any State, and not less than 2 per cent nor more than 4 per cent of all the mileage in all the States. The system in any State is to be connected up at least at three points to the systems of the adjoining States. The system shall be under the control of a Federal Highway Commission, which is created by this bill, to consist of three members serving for 6 years and receiving a salary of \$10,000 a year each. It is provided that the members of the commission shall have no other business or poition to which they devote their time.

This commission shall select the routes of the National System, obtain rights of way, construct the highways, maintain them, furnish maps and information regarding the progress of the work, and to experiment as to the most efficient use of the highways. The right of way is not to be less than 65 feet unless there are unusual difficulties in obtaining this width in special cases. The commission is only to construct highways of a durable character and of adequate width for use in allowing for future growth. Not more than 10 per cent of the amount appropriated in any one year is to be expended on maintenance.

The commission will not construct any highway in incorporated cities of more than 5,000 inhabitants except in sections where the houses average more than 200 feet apart. If any of the highway chosen as a part of the National system has already been constructed to a standard that meets the approval of the commission, the commission will construct an equal amount of highway, not a part of the National System

but correlated thereto. If a State desires to build a highway along a route selected for a National highway, but for which the commission has not sufficient funds available for work within that State, the State may enter into a contract with the commission to construct the highway to the commission's standard, and be reimbursed when the funds are available.

The commission shall employ a chief engineer, secretary, engineering, legal, clerical, and other assistants, all of whom will come under the Civil Service classification except the chief engineer, secretary and legal advisers.

To carry out the terms of this bill, it provides for the appropriation of \$50,000,000 at once, \$75,000,000 on July 1, 1920, and \$100,000,000 each for the three successive years, making a total of \$425,000,000 which would be available until used.

This bill is fathered by the Federal Highway Council, an organization of engineers and others interested in good roads, which will be of use in times of peace as well as war. About the only objection that has been raised, is that the State Highway Commissions are in a better position to know the local conditions and decide on the routes and standards for the different sections of the country. At present the National Government is aiding on rural post roads in the several States, and it is pointed out that this fulfills the purpose of the bill. The Highway Council states that this bill will do all the present law can do, and in addition will give unity to the National system that can never be obtained where the routes, standards, and policies are decided by 48 different sets of individuals instead of one central commission.

A discussion followed in which it was brought out that the bill did not provide that there should be any engineers as members of the commission. It was pointed out that this was a place where technical knowledge was of the greatest importance, but judging by past experience it was unlikely that any engineers would be appointed on this commission unless it was specifically stated that a certain number must be engineers. The Chapter voted unanimously that the Secretary be instructed to correspond with the Senators and Representatives from California, asking them to work for the bill amended to read that at least two members of the commission be engineers.

Portland Chapter, Portland, Ore.

We have completed our organization of the Southern Pacific lines in Oregon Railroad Section. Mr. F. A. Felhart is President, Mr. P. M. Othus,

Vice-President; R. W. Barnes, Secretary and Treasurer.

We have also succeeded in organizing S. P. & S. and O.-W. R. R. & N. Co., and they have completed their permanent organization.

Together, we have pretty actively taken up with our Federal Managers the proposition of increases, and have forwarded to Chicago for similar handling with Mr. Ashton at Chicago headquarters, all our dope and correspondence.

At the last meeting of the Oregon Society of Engineers, they voted unanimously to amalgamate with the American Association of Engineers. This makes the Portland, now the Oregon, Chapter approximately 400 strong.

We have succeeded in having a Board of Examining Engineers appointed under the new Oregon License Law, which was selected by Portland Chapter of A. A. E. The chairman of this board is our Third Vice-President, and three or four other members of the board are also members of the A. A. E.

We have a movement on foot to form a State Joint Council of Engineering Societies.

Our next increment of membership will be the Northwest Society of Highway Engineers. Preliminary negotiations have been made for this. This will give us an added strength of 250 new members, and with this accomplished we can truly say that A. A. E. represents an overwhelming majority of the engineers in Oregon.

We have now before the city commissioners and the Mayor of Portland substantial increases in salary for technical employees in city service. We lost the first round, but have now got the proposition to a show down and hope to get favorable action promptly.

R. W. BARNES,
Secretary Portland Chapter.

SACRAMENTO CHAPTER MEETING

The Sacramento Chapter of the American Association of Engineers held its regular meeting Tuesday, August 5th, with a good attendance. The Committee on Adjustment of territory and finances with the San Francisco Chapter reported a satisfactory conclusion of their work.

A special committee was instructed to make the necessary arrangements for a banquet and installation program on the occasion of President Newell's coming visit.

The Qualification Committee reported the following election as the result of their canvass of the letter ballot.

President—W. S. Caruthers, Civil Engineer.

First Vice-President—F. B. Gillette, Mechanical Engineer.

Second Vice-President—R. Walsh, Civil Engineer.

Third Vice-President—G. H. P. Lichthard, Chemical Engineer.

Secretary-Treasurer—H. A. Lathrop, Civil Engineer.

A committee of two was authorized to represent the Sacramento Chapter in the preliminary steps looking toward the organization of a State Council of Engineers. R. E. Dodge and R. Walsh were appointed.

The Sacramento Chapter is making steady conservative progress and will be in shape to do good work this coming year.

NEWS FROM NATIONAL HEAD-QUARTERS.

Dr. F. H. Newell, President of the American Association of Engineers, left on August 10th for an extended trip through the western part of the United States. Dr. Newell spoke at Kansas City on the 11th before the Engineers Club of that city, at Denver on the 12th, and at Salt Lake City, where he installed a Chapter of A. A. E. on the 15th.

Dr. Newell will speak at Boise on the 18th, at Spokane on the following day, and at Tacoma and Seattle on the 21st. He will install the Portland Chapter, with which the Oregon Society of Engineers has voted unanimously to affiliate, on the 22nd, and will then proceed to San Francisco, Sacramento and Los Angeles. Chapters will be installed in these three cities, and it is expected that at Los Angeles the installation will include as part of the Chapter the Engineers' and Architects' Association of Southern California, a society of about 350 members. On his return journey, Dr. Newell will address various groups of engineers, including the Southwestern Society of Engineers at El Paso, the Oklahoma Chapter of A. A. E., and the St. Louis Chapter, where preliminary arrangements are being made for the 1920 convention of the Association which will be held in that city.

The Organization Committee, appointed by the Executive Board of the American Association of Engineers to study the pay of engineers in public service and to recommend schedules of salaries, held a meeting in Chicago on August 2. The committee recommended to the National Executive Committee that a sub-committee be appointed to study and report at once on salaries for highway engineers, and that other subcommittees be appointed from time to time to take up similar studies in other branches of public service, and that the second sub-committee to be appointed be instructed to study and report a schedule of salaries for municipal and county engineers. The report of the Organization Committee was approved by the Executive Committee, and the sub-committee will be appointed and the names of its members announced soon. The organization Committee consists of A. N. Johnson, Chairman, S. C. Hadden, A. R. Hirst, and F. H. Newell.

President Newell has written a letter to President Wilson urging upon him the advisability of appointing an engineer to fill the vacancy existing on the Interstate Commerce Commis-

sion. In this endeavor A. A. E. and Engineering Council will co-operate.

The Association is co-operating with other agencies in endeavoring to promote greater efficiency in the U. S. Patent Office and to obtain something near adequate pay for the engineers and technicians there employed.

Dr. Newell, our President, will leave Urbana, Ill., on August 10, and will reach San Francisco on August 22 or 23. He has not made definite plans beyond that point, except that he will return by the southern route and visit the St. Louis Chapter. He will stop at Denver, Salt Lake, Boise, Portland, Tacoma, Seattle and Sacramento en route. Mail or wires will reach him as follows: Denver, August 13, care I. B. Wilmot, 3263 Sherman St., Denver, Colo.; Salt Lake, August 15, care Eugene Bush, 273 10th Ave., Salt Lake City, Utah; Boise, August 16, care G. C. Scharf, President Idaho Section of Engineers, 905 N. 18th St., Portland, August 18, care R. W. Barnes, 36 Union Station, Portland, Ore.; August 22-23, care J. H. Knowles, Chief Engineer Western Pacific R. R., 938 Mills Bldg., San Francisco, Calif.

Encouraging membership news from the Pacific Coast is contained in the announcement from Los Angeles that the Engineers' and Architects' Association of Southern California is expected to vote very soon to consolidate with the Los Angeles Chapter of A. A. E. At a meeting of this society on June 25 it was unanimously voted to continue negotiations for consolidation, and since that time many of the details have been concluded. In commenting upon the value of such affiliation, Major Garrison Babcock, Past President (recently in Los Angeles) says in a letter to Dr. Newell that, "After this consolidation, the other chapters will find it very difficult to keep pace with the Southern California Engineers in the A. A. E. development."

The success of the railroad campaign is evidenced by the action of Mr. R. H. Aishton, Regional Director of the Northwestern Region, in authorizing increases in salaries of engineers and draftsmen below the grades of assistant engineer and chief draftsmen to about the same scale as recommended by A. A. E. Favorable action of similar nature is expected soon in the Central Western, Eastern, and Allegheny Regions. Additional developments will be contained in a railroad bulletin to be issued about August 20.

Mr. O. B. Krezdorn, Assistant Valuation Engineer of the Gulf Coast Lines at Houston, Texas, reports his office force as 100 per cent A. A. E. members. Are there any others?

It is important that Chapter and Club letters for the Monad be received at National Headquarters on the 12th of each month. Secretaries are requested to have their letters mailed in, commencing this month, ample time, in order to facilitate the publication of the Monad. Secretaries are also requested to notify National Headquarters not later than the 20th of each month how many copies of the next issue of the Monad they will require.

Our New York Headquarters are at Room 920, 1133 Broadway, New York, N. Y.

That the American Association of Engineers is making progress in establishing more favorable schedules of salaries for engineers in municipal work is indicated by the success of the St. Louis Chapter of the Association in obtaining the support of the Board of Aldermen of St. Louis to that Chapter's campaign for higher compensation for engineers employed by the city. A bill introduced before the Board of Aldermen on May 16, 1919, has been approved by the Efficiency Board and endorsed by the Associated Engineering Societies of St. Louis, but had been held in the hands of the Board of Estimate and Apportionment without further notice. In order to have the bill called up for action, the St. Louis Chapter drafted and had introduced before the Board of Aldermen a resolution requesting the Board of Estimate and Apportionment to call up the bill for consideration. As this resolution was adopted unanimously by the Board of Aldermen, and as the Mayor, H. W. Kiel, has announced himself as favoring the bill, it is expected that it will be passed very soon. The bill provides for an increase of about fifteen per cent in the salaries of engineers, draftsmen and related technical men.

FEDERAL DEPARTMENT OF PUBLIC WORKS.

Identical bills have been introduced in the Senate by Mr. Jones of Washington and in the House of Representatives by Mr. Reavis of Nebraska, providing for a Federal Department of Public Works to take the place of the present Department of the Interior and to have charge of all of the engineering activities of the United States Government. Such bureaus of the Interior Department as are not engineering in character are to be placed under the jurisdiction of appropriate departments, while engineering bureaus from other departments are to be included in the new Department of Public Works.

The new department would include the Supervising Architect's office of the Treasury, the Construction Division, River and Harbor Improvements, the Mississippi River Commission, and California Reclamation Commission of the War Department, the Bureau of Standards and the Coast and Geodetic Survey of the Department of Commerce, the Bureau of Public Roads, and the Forest Service of the Department of Agriculture. At the same time the Patent Office is removed from the Interior Department and placed under the Department of Commerce. The Bureau of Pensions is assigned to the Treasury Department and the Bureau of Education to the Labor Department. The Bureau of Indian Affairs is transferred to the Department of Labor, with the proviso that the engineering and construction work and the land and mineral surveys now performed under the direction of the Bureau of Indian Affairs are to be prosecuted under the Department of Public Works. Other minor branches of the Interior Department go under different cabinet offices.

The bill provides that the new Secretary of Public Works "shall by training and experience be qualified

to administer the affairs of the department and to evaluate the technical principles and operations involved in the work thereof." Four assistant secretaries, each to be paid \$7,500 per annum, are provided. One of these is to have jurisdiction over matters of engineering, design and construction; another over architectural design and construction; a third over all scientific work and surveys, while the fourth is to be in charge of land and naval matters.

The bill provides that engineer officers of the United States Army detailed on non-military work are to be assigned by the Secretary of War to like duties under the new departments for not over two years, and members of the Corps of Engineers may under the direction of the Secretary of Public Works be detailed by the Secretary of War to temporary duty in the new department for such instruction, training and experience as may be desired.—Engineering News-Record.

LETTERS TO S. F. CHAPTER PUBLICITY COMMITTEE.

At Placerville, Cal.,
Aug. 6, 1919.

A. A. E., S. F. Chapter,
Publicity Committee,
San Francisco Cal.

Gentlemen: Permit me to advise that A. C. Miller and P. E. P. Marshall, members of the A. A. E., are engaged in making location surveys for proposed enlargements of the hydro-electric power project of the Western States Gas & Electric Co., on the American River above Placerville in El Dorado County.

Respectfully,
ALLEN C. MILLER.

San Francisco, Aug. 9, 1919.
A. A. E., S. F. Chapter,
Publicity Committee,

Gentlemen: I am greatly interested in just such an organization as the A. A. E., and if at some early date one of your members could call on and "look me over" as a possible candidate for the next initiation class, same would be greatly appreciated.

Yours very truly,
H. WALTER JOHNSON.

Los Angeles, Cal.
August 12, 1919.
Publicity Committee, A. A. E.,
560 Mission St.,
San Francisco, Cal.

Your circular regarding material for publicity work in Building and Engineering News, received. Just how as we have no permanent secretary it will be a little hard for us to get any "red hot" material for your purpose, but as we have called a meeting for the 19th, and expect to have a good one, will send you some material right away after that occurs. At that meeting we expect to elect permanent officers for our chapter, and the question of publicity will receive its share of attention.

With best regards and good wishes for your branch of work, I am
Yours very truly,

A. L. HARRIS,
Secretary.

Chicago, Aug. 9, 1919.

Publicity Committee,
San Francisco Chapter.

You are certainly to be congratulated upon obtaining the space allowed you by the Building and Engineering News, and I am sure that your committee will be able to make this innovation a great success. There is enclosed a short article which you may use if you care to; we hope to send you other material from time to time.

We are trying to obtain photographs which would interest our members if they were printed in the Monad, and the names of any of our members who can draw acceptable cartoons. If you can do anything in either of these two matters it will help materially. Our plans for the Monad are indefinite yet, but we are trying to find out if we can count on pictorial contributions from engineers; there is no doubt that an illustrated publication would make more of an appeal to everyone.

Cordially yours,
AMERICAN ASS'N. OF ENGRS.
By Cedric B. Smith.

Placerville, Calif., Aug. 6, 1919.
To The Editor,

Building and Engineering News,
San Francisco, Cal.

Dear Sir: Am in receipt of a communication from the San Francisco Chapter A. A. E., stating that your publication, "The Building and Engineering News," is the official publicity organ of our organization.

Would you kindly forward me a sample copy of your magazine.

Very truly yours,
P. E. P. MARSHALL.

Placerville, Calif., Aug. 11, 1919.
Building and Engineering News,
560 Mission St.,
San Francisco.

Gentlemen: As I note that you are going to give publicity to the members of the A. A. E., I would like to subscribe to your paper and would request that you send me a copy of your publication and name subscription rates. Thanking you, I am

Yours very truly,
ALLEN C. MILLER, C. E.

THE NECESSITY FOR INCREASING PRODUCTION.

"If the total earnings of American capital for 1918 were to be distributed equally throughout the population each of us would receive something less than 20c a day, in addition to our present income."

This startling statement is contained in a pamphlet by Morris L. Cooke entitled, "An All American Basis for Industry." The author goes on to say: "No possible earnings on our present accumulation of wealth will answer the needs of the world. The whole hope of the future lies in organizing the work of the world so that production may be increased, and may keep on increasing, so as first to eliminate poverty and then to keep pace with the shortening day and the increasing requirements of the individual."

The evils to a nation of a lack of production is illustrated by citing the industrial decadence of Great Britain

prior to August, 1914, as a result of the falling behind of this nation in the race with competitor nations in the matter of production. At this time thirty per cent of the population of London were living in poverty. The same condition probably existed throughout the rest of the country. Workhouses were full of the poverty-stricken. Suicide as the result of poverty was frequent. Strike after strike had had their inevitable effect upon the productive ability of the industries of the nation.

That this unfortunate condition was the result of insufficient production is borne out by a statement in the Fortnightly Review for August, 1913. "The poverty of the British workers is not caused by a vicious distribution of wealth, but by insufficient production. Production determines wages. It is clear that a worker who produces 10s. worth of goods per day cannot earn as much as a worker who produces 30s. of similar goods per day. It is also clear that a man who produces only 10s. worth of goods per day cannot possibly earn 12s. per day in wages. In the inefficiency of production in the Far East, not in the low standard of living, lies the reason that wages are very low in China and India, while in the efficiency of production lies the reason why wages are very high in the United States.

Very efficient production makes possible very high wages, and very high wages creates a high standard of living."

In view of what we know now," the author goes on to say, "there is a grim humor in the insistence by both capital and labor that after the war conditions should be restored to a pre-war status. It not only cannot be done, but neither side now wants it done. No one would by choice return to the day of assured decadence. There is, of course, nothing absolute about production standards. Frequently a nation, an industry or an individual plant can continue for a considerable time and meet with fair success in spite of a relatively low production—just how long depends largely on the character of the competition."

The engineer is concerned vitally with the efficient employment of labor and the resulting economies of operation and increase in production. This being so, he must take a positive interest in problems of labor and be prepared to demonstrate to labor the advantages which will accrue to it through an efficient use of man power. Here is an opportunity for the engineer to prove himself more than a technician. Let him first become a thorough student of labor problems, then use his influence toward obtaining the co-operation of labor in increasing output of organization and plant. Intelligent efforts in this direction will lead unfailingly toward greater prosperity of the individual and the nation.

An Optimist.—Dauber—"I got more than I expected for my last picture."

Friend—"Whv. I thought your landlord agreed to take it in lieu of next month's rent."

Dauber—"Yes but he raised my rent.—London Tit-Bits.

COUNTY ENGINEERS REPLACE COUNTY SURVEYORS IN CALIFORNIA.

Another State, California, has provided for county engineers to take over the work formerly done by county surveyors. By the passage of the Ream County Engineer Act, boards of supervisors are permitted to appoint county engineers to take complete charge of the management of county roads, and are compelled to make such appointment upon petition of 25 per cent of the electors. While the boards of supervisors will hold general supervision over the road matters, the engineer will be in complete charge of the design and construction of the roads, and will be constituted commissioner of each of the road districts in the county. In addition to performing the road work, he will take over all duties now performed by a county surveyor. As county road work has increased in importance, it has been found necessary in many places to replace the elected county surveyor, who often is not even an engineer and knows little, if anything, about modern road construction. In some cases this condition has been corrected by separating the offices of county surveyor and county road engineer. California has gone the whole way and given the county engineer the entire county engineering work.

NATIONAL HIGHWAY SYSTEM BOOKLET.

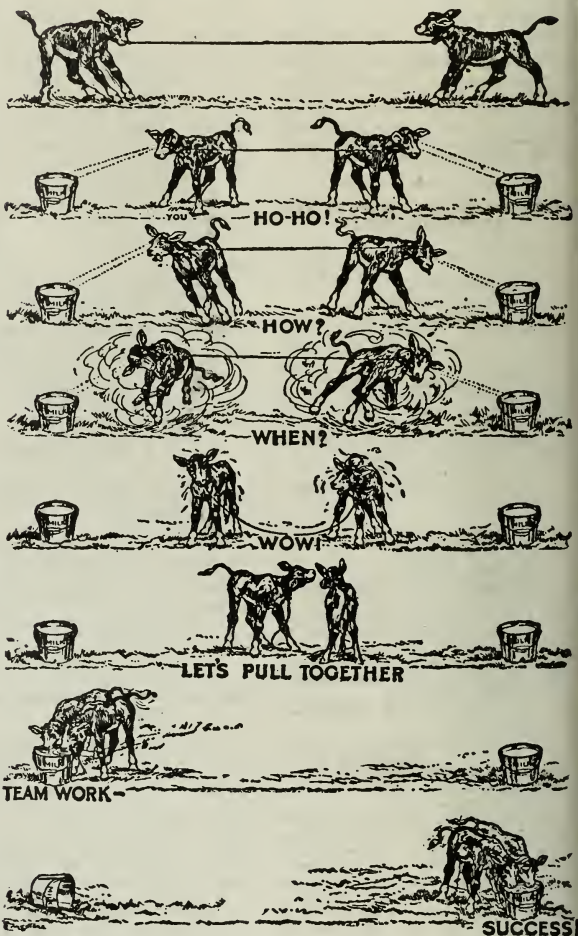
An attractive illustrated booklet, entitled "The National Highway System," has just been issued by the American Automobile Association. Among the subjects dealt with are: The basic reason for a national highway system; motor traffic a dominant highway influence of today; Federal highway supervision vs. Federal inspection, with many other chapters of less length on various subjects. The booklet should be of value to all those who are interested in the promotion of a national highway commission and a national system of roads.

THE JOURNAL OF INDUSTRIAL HYGIENE.

A great deal has been heard in the last few years about industrial hygiene. This rapidly growing branch of preventive medicine can now boast of a journal of its own, the initial number of the Journal of Industrial Hygiene having recently made its appearance. It is a monthly publication and is edited by David L. Edsall for the United States and by A. F. Stanley Kent for Great Britain. Besides numerous original articles, the new journal is to include copious abstracts of the literature of industrial hygiene. We believe that an almost unlimited amount of good can be done by a publication of this sort, if its contents be not made too exclusively technical and if efforts be made to extend its circulation among the employers of labor, and also among workmen.—Scientific American.

"Co-operation"

A Barn-yard Illustration Applicable to Association Work.



FEDERAL ENDOWMENT OF MINING SCHOOLS.

A bill was recently introduced into the Senate providing for the expenditure of \$25,000 per year in each State to aid mining schools; the money coming from the sales of public lands. This government aid will

be for instruction, research and experiment in mining machinery, mining engineering and treatment, metallurgy, assaying and chemistry and geology. One of the principal aims of the bill is to study the prevention of explosions, fires, etc., and to promote the general welfare of miners and operators.—Scientific American.

CONTRACTS AWARDED

Liens, Acceptances, Etc.

BUILDING CONTRACTS.

San Francisco County.

No.	Owner	Contractor	Amt.
1626	Greenblat	Owner	7000
1627	Urban Rlty Co.	Owner	4000
1628	St. Francis Wd.	Morton	4000
1629	Same	Same	7500
1630	Anderson	Anderson	4700
1631	Vedell	Vedell	2000
1632	Dunham	Fennell	10000
1633	Dunphy	Hemminga	18500
1634	Hermanson	Owner	2800
1635	Grossfield	Mager	400
1636	Hoys	Maisler	2000
1637	Wertsch	Owner	400
1638	Royal Soap	Diestel	1000
1639	Fritz	Fritz	8000
1640	Volkman	Ingel	400
1641	Landan	Valentini	400
1642	Hirsch	Moller	787
1643	Born	Born	12000
1644	Born	Born	6500
1645	Rosenberg	Owner	150000
1646	Rousseau	Owner	150000
1647	Perkins	Owner	50000
1648	Hittenberger	Fink	400
1649	Kelby	Heaphy	500
1650	Oliver	Heaphy	600
1651	Yackley	Scholten	400
1652	Stange	Stone	500
1653	Panama Grotto	Owner	400
1654	Bullas	Bullas	500
1655	Gordan	Swenson	—
1656	Quinby	Arras	13770
1657	Deering	Urfer	400
1658	Raas	Barrett	450
1659	Zinkes	Western	900
1660	Nespoli	Nespoli	750
1661	Meads	Nelson	700
1662	Nelson	Nelson	4000
1663	Baldwin	Coggins	600
1664	Aeckerman	Leiter	1000
1665	Nelson	Nelson	3500
1666	Nelson	Nelson	11000
1667	Merritt	Morris	14000
1668	Lee Lin	Mulchay	17500
1669	Booth	City Protective	1780
1670	Same	Zimmerman	2600
1671	Same	Bradley	5798
1672	Same	Nelson	2748
1673	Same	Holt	18200
1674	Same	Davidson	2699
1675	Towie	O'Brien	2000
1676	Wertsch	Owner	400
1677	Sherman	Ellingson	2000
1678	Rose	Bovyer	1850
1679	United Cigar	Ellingson	1800
1680	Sisk	Sisk	600
1681	Arden	Emanuel	700
1682	Wolf	Stevens	500
1683	Milton	Novelty	500
1684	Friedle	Friedle	1500
1685	Pockini	Guisti	475
1686	Joost	Diestel	500
1687	P G & E	Johns	—
1688	Lamanet	Vulicevich	3380
1689	Withington	Show	17800
1690	Aeckerman	Prout	12000
1691	Real Pty	Grace	1626

(1626) W VALENCIA 100 S 24th. Two-story and basement frame (4) 3-room flats.
Owner—J. S. Greenblat, 1432 Valencia San Francisco.

Architect—O. E. Evans, 2569 Mission, San Francisco.
Day's work. COST, \$7000

(1627) S HEAD 172 W Ashton. One story frame dwelling.
Owner—Urban Realty Imp. Co., 85 Ceritos Ave., San Francisco.
Architect—Jos. A. Leonard, 85 Ceritos Ave., San Francisco.
Day's work. COST, \$4000

(1628) E SANTA CLARA AVE 103 N Terrace Drive. Two-story frame dwelling.
Owner—St. Francis Wood Co., 278 Post, San Francisco.
Architect—Henry H. Gutterson, 278 Post, San Francisco.
Contractor—John Morton, 180 Jessie, San Francisco.
COST, \$8500

(1629) N YERBA BUENA AVE 278 E Santa Clara Ave. Two-story frame dwelling.
Owner—St. Francis Wood Co., 278 Post, San Francisco.
Architect—Henry H. Gutterson, 278 Post, San Francisco.
Contractor—John Morton, 180 Jessie, San Francisco.
COST, \$7500

(1630) SW EASTWOOD DRIVE 325 N Wildwood Way. Bungalow.
Owner—Hilding Anderson, 1858 Fell, San Francisco.
Architect—H. C. Bauman, 251 Kearny, San Francisco.
Day's work. COST, \$4700

(1631) NO. 584 SANCHEZ. Alter residence and excavate for garage.
Owner—Mr. Vedell, 3675-B 19th, S. F.
Architect—O. E. Evans, 2569 Mission, San Francisco.
Day's work. COST, \$2000

(1632) N ALAMEDA bet. Kansas and Vermont. Install mezzanine and sprinkler system.
Owner—Dunham, Carrigan & Hayden, Premises.
Architect—Leo J. Devlin, Pacific Bldg San Francisco.
Contractor—Fennell & Chisholm, 180 Jessie, San Francisco.
COST, \$10,000

(1635) NW ASHBURY AND GROVE Three-story frame apartments.
Owner—A. P. Dunphy, 47 Ashbury, San Francisco.
Architect—None
Contractor—W. J. Hemminga, 47 Ashbury, San Francisco.
COST, \$18,500

(1634) S MAYNARD 75 W Grant. One-story and basement frame dwelling.
Owner—W. L. Hermanson, 337-A Richland Ave., San Francisco.
Architect—None.
Day's work. COST, \$2800

(1635) NW VICKSBURG AND 24TH. Extend store.
Owner—Henry Grossfield, 3852 24th, San Francisco.

Architect—None.
Contractor—Mager Bros., 1318 Valencia, San Francisco.
COST, \$400

(1636) NO. 928 MARKET. Alter for bakery.
Owner—"Hoys", 1122 Market, S. F.
Architect—None.
Contractor—Ben Maisler, 777 Ellis, San Francisco.
COST, \$2000

(1637) NO. 464 PAGE. Alter for private garage.
Owner—Wm. Wertsch, Premises.
Architect—None.
Day's work. COST, \$400

(1638) NO. 1260 DAVIDSON. Repair fire damage.
Owner—Rayol Soap Co., Premises.
Architect—None.
Contractor—John Diestel, 248 Russ Bldg., San Francisco.
COST, \$1000

(1639) SW FREDERICK AND MASONIC AVE. Alter residence into (6) flats.
Owner—Eugene N. Fritz, 1401 Masonic Ave., San Francisco.
Architect—None.
Day's work. COST, \$8000

(1640) SW BRODERICK & FILLMORE. Alter for private garage.
Owner—G. Volkman, Premises.
Architect—None.
Contractor—F. Ingel, 4186 Army St., San Francisco.
COST, \$400

(1641) NO. 850 KEARNY. Alter for cafe entrance.
Owner—Chas. Landan.
Architect—None.
Contractor—P. Valentini Co.
COST, \$400

(1642) NO. 306 THIRD. Alter front.
Owner—L. Hirsch.
Architect—None.
Contractor—R. W. Moller, 614 Call Bldg., San Francisco.
COST, \$787

(1643) N SHORE VIEW AVE 240 & 275 W 36th Ave. Two two-story and basement frame dwellings.
Owner—S. A. Born. — Shore View Ave., San Francisco.
Architect—None.
Day's work. COST, \$6000 each

(1644) SW CLEMENT & THIRTY-sixth Ave. Two-story and basement frame dwelling.
Owner—S. A. Born. — Shore View Ave., San Francisco.
Architect—None.
Day's work. COST, \$6500

(1645) NW GEARY AND TAYLOR. Six-story Class "C" apartments. Owner—Rosenberg & Casper, 333 Kearny, San Francisco. Architect—Joseph Cahen, 333 Kearny San Francisco.

Day's Labor and Sub-Contracts. COST, \$150,000

NOTE:—Foundations started.

(1646) NE BUSH AND TAYLOR through to Mulford Alley. Six-story reinforced concrete apartments. Owner—Arthur F. Rousseau, 110 Sutter, San Francisco.

Architect—Rousseau & Rousseau, 110 Sutter, San Francisco.

Day's Work and Sub-Contracts.

COST, \$150,000

NOTE:—Foundations started.

(1647) SE SUTTER AND MASON. Three-story frame club rooms. Owner—W. F. Perkins, Nevada Bank Bldgs., San Francisco.

Architect—E. E. Young, 251 Kearny, San Francisco.

Day's Work and Sub-Contracts.

COST, \$50,000

(1648) NO. 1103 MARKET. Add mezzanine floor.

Owner—C. H. Hittenberger Co., 1103 Market, San Francisco.

Architect—None.

Contractor—Fink & Schindler Co., 228 13th. San Francisco.

COST, \$400

(1649) NO. 337 LEAVENWORTH. Construct brick wall.

Owner—A. R. Kelly, 2195 Divisadero, San Francisco.

Architect—None.

Contractor—J. J. Heaphy, 1721 Lombard, San Francisco.

COST, \$500

(1650) NO. 1825 TURK. Minor repairs to dwelling.

Owner—J. A. Oliver, Premises.

Architect—None.

Contractor—J. J. Heaphy, 1721 Lombard, San Francisco

COST, \$600

(1651) E FIFTEENTH 25 S Natoma. General alteration for dwlg.

Owner—M. Yackley.

Architect—None.

Contractor—H. Scholten, 1845 Mission San Francisco.

COST, \$400

(1652) NO. 379 MISSOURI. Alter for basement garage.

Owner—Carl Stange, Premises.

Architect—None.

Contractor—E. W. Stone, 26 Eagle, San Francisco.

COST, \$500

(1653) NO. 317 KEARNY. Alter for restaurant.

Owner—Panama Oyster Grotto, Prem.

Architect—None.

Day's work. COST, \$400

(1654) NO. 120 THORNTON AVE. Add two rooms to dwelling.

Owner—Henry Bullas, Premises.

Architect—None.

Day's work. COST, \$500

(1655) NO. 334 MARKET. All work for store front.

Owner—Gordan Tailoring Co., 928 Market, San Francisco,

Architect—Norman R. Coulter, 46 Kearny, San Francisco.

Contractor—Swenson & Franzen, 145 Natoma, San Francisco.

Filed Aug. 13, '19. Dated July 14, '19.

TOTAL COST plus 10%

Bond, none. Limit, 15 working days.

Forfeit, none. Plans and specifications filed.

(1656) NO. 530 HOWARD. Reinforced concrete work for addition of 2 stories to present two-story reinforced concrete loft building.

Owner—F. A. Quinby, 465 California, San Francisco.

Architect—Arthur S. Bugbee, 316 Sharon Bldg., San Francisco.

Contractor—Adam Arras, 65 Hoff Ave. San Francisco.

Filed Aug. 13, '19. Dated Aug. 11, '19.

Concrete poured for 4th floor

and 3rd story walls.....\$3442.50

Concrete poured for roof and

4th story walls..... 3442.50

Completed and accepted..... 3442.50

Usual 35 days..... 3442.50

TOTAL COST, \$13,770.00

Bond, \$6885. Surety, Fidelity & Deposit Co. of Maryland. Limit, forfeit, none. Plans and specifications filed.

(1657) NO. 819 VALENCIA. Alter for sales room.

Owner—Prentiss C. Deering, 245 Montgomery, San Francisco.

Architect—None.

Contractor—Chas. E. Urfer, 134 Halleck, San Francisco.

COST, \$400

(1658) NO. 100 LOCUST. Alter for garage.

Owner—A. E. Raas, Premises.

Architect—None.

Contractor—Barrett & Hilp, Sharon Bldg., San Francisco.

COST, \$450

(1659) NO. 34 KEARNY. Alter for shop.

Owner—Zinkes Re-bottoming Shoe Co., Premises.

Architect—None.

Owner—Western Hardwood Mfg. Co., 1034 Golden Gate Ave., S. F.

COST, \$900

(1660) NO. 119 LOWELL. Alter dwelling.

Owner—J. Nespoli.

Architect—None.

Day's work. COST, \$750

(1661) NO. 117 THIRD. Alter front.

Owner—Meads Co.

Architect—None.

Contractor—J. Nelson, Premises.

COST, \$700

(1662) W TWENTY-SIXTH AVE 55 and 81 S Balboa. Two one-story and basement frame dwellings.

Owner—N. J. Nelson, 364 20th Ave., San Francisco

Architect—None.

Day's work. COST, \$2000 each

(1663) NO. 2214 STEINER. Shingle dwelling and alter windows.

Owner—Lloyd Baldwin, Premises.

Architect—None.

Contractor—L. M. Coggins, 115 Turk, San Francisco.

COST, \$600

(1664) NO. 3222 JACKSON. Brick addition for garage.

Owner—Robert L. Ackerman, 414 Call Bldg., San Francisco.

Architect—E. A. Mathews, Call Bldg., San Francisco.

Contractor—E. T. Leiter & Sons, 412 Call Bldg., San Francisco.

COST, \$1000

(1665) SE WAWONA 50 SW Vicente Two-story and basement frame dwelling.

Owner—Fernando Nelson & Sons, 1701 Lincoln Way, S. F.

Architect—None.

Day's work. COST, \$3500

(1666) W PLYMOUTH 10.362 NE Lot 7 Blk 3177 Wesawood Park NW 98.331 N 35.823 NE 98.163 S 38.454 also W Plymouth 23.454 S from NE corner Lot 4 Blk 3177 Westwood Park S 20.073 N 35.823 NE 98.252 S 38.454. All work for two one-story bungalows.

Owner—Hans Nelson, 747 19th Ave., San Francisco.

Architect—Charles F. Strothoff, 2276 15th, San Francisco.

Contractor—Nelson Bros., 747 19th Ave., San Francisco.

Filed Aug. 14, '19. Dated July 31, '19.

Frames up.....\$2750

Brown plaster on..... 2750

Completed..... 2750

Usual 35 days..... 2750

TOTAL COST, \$11,000

Bond, \$5000. Sureties, Chas. Monson and Edwin T. Peterson. Limit, 90 days. Forfeit, none. Plans and specifications filed.

(1667) LOTS 22 AND 24 BLK 2981, Merritt Terrace. All work for two two-story residences.

Owner—George Merritt, Crocker Bldg., San Francisco.

Architect—Walter C. Falch, Hearst Bldg., San Francisco.

Contractor—Harry E. Morris, 1825-A Sutter, San Francisco.

Filed Aug. 14, '19. Dated ———.

Frames up.....\$2800

Brown coated..... 2800

Finish on..... 2100

Completed..... 2800

Usual 35 days..... 3500

TOTAL COST, \$14,000

Bond, \$7000. Surety, Alfred T. Morris Limit, 100 days. Forfeit, none. Plans and specifications filed.

(1668) W GRANT AVE 60-6 N Washington N 29 E 60 S 29 W 60. All work for alterations and additions to three-story brick building for social rooms.

Owner—Lee Lin, Lee Fay, Lee Bock Fow, Lee Gin and Lee Doo.

Architect—J. Eugene Freeman, Kohl Bldg., San Francisco.

Contractor—Thomas F. Mulcahy, 180 Jessie, San Francisco.

Filed Aug. 14, '19. Dated Aug. 11, '19

Walls ready for ceiling joists.....\$2000

Asphalt roof on..... 2000

Brown coat on 2d, 3d and 4th floors..... 2000

Inside finish on 2nd, 3rd and 4th floors..... 2500

Marble set on 4th floor..... 2125

Completed..... 2000

Usual 35 days..... 4375

TOTAL COST, \$17,500

Bond, \$——. Surety, American Indemnity Co. Limit, 90 days. Forfeit, none. Plans and specifications filed.

(1669) SW CLAY AND LAGUNA, 137-6 on Clay by 63-10½ on Laguna Electric work for three-story frame apartments.

Owner—Frank J. Booth, 1032 Lombard, San Francisco.

Architect—Henry C. Smith, 785 Market, San Francisco.

Contractor—City Protective Electric Co., 1086 Valencia, S. F.

Filed Aug. 14, '19. Dated Aug. 12, '19. On or before 1st of each month 75% Usual 35 days..... 25%

TOTAL COST, \$1780

Bond, \$1000. Sureties, Henry Warfield and Geo. E. Eckhardt. Limit, forfeit, none. Plans and specifications filed.

(1670) PAINTING ON ABOVE.

Contractor—H. E. Zimmerman and Wm. F. Lenzen.

Filed Aug. 14, '19. Dated Aug. 11, '19. Payments same as above.....

TOTAL COST, \$2600

Bond, \$1300. Sureties, Chris. Vucinich and S. L. Jacobi. Limit, forfeit, none. Plans and specifications filed.

Contractor—Peter Bradley, 180 Jessie St., San Francisco.

Filed Aug. 14, '19. Dated Aug. 11, '19. 1st coat of plaster on exterior. \$1440

Brown coat on interior and exterior 2nd coated..... 1440

Completed and accepted..... 1468

Usual 35 days..... 1450

TOTAL COST, \$5798

Bond, \$2900. Sureties, P. F. Reilly & J. E. Connell. Limit, forfeit, none. Plans and specifications filed.

Contractor—James A. Nelson, 509 6th St., San Francisco.

Filed Aug. 14, '19. Dated Aug. 11, '19. On or before 1st of each month 75%

Usual 35 days..... 25%

TOTAL COST, \$2748

Bond, \$1350. Sureties, H. S. McClelland and R. H. Neff. Limit, forfeit, none. Plans and specifications filed.

(1673) CARPENTER WORK ON ABOVE.

Contractor—O. C. Holt, 110 Jessie St., San Francisco.

Filed Aug. 14, '19. Dated Aug. 11, '19. Frame up..... \$3400

Enclosed and roof on..... 3400

Standing finish on..... 3400

Completed and accepted..... 3450

Usual 35 days..... 4550

TOTAL COST, \$18,200

Bond, \$9100. Sureties, Oscar Thunberg and O. Monson. Limit, forfeit, none. Plans and specifications filed.

(1674) PLUMBING ON ABOVE.

Contractor—Frank Davidson, 2948 Laguna, San Francisco.

Filed Aug. 14, '19. Dated Aug. 11, '19. Rough in completed..... \$1345

Completed and accepted..... 674

Usual 35 days..... 680

TOTAL COST, \$2699

Bond, \$1350. Sureties, C. W. Morris and Geo. W. Coefield. Limit, forfeit, none. Plans and specifications filed.

(1675) NW HYDE & McALLISTER. Alter for law library.

Owner—Geo. C. Towle, 68 Post, S. F. Architect—Mathew O'Brien, 68 Post, San Francisco.

Day's work..... COST, \$2000

(1676) NO. 464 PAGE. One-story frame garage.

Owner—Wm. Wertsch, Premises.

Architect—None.

Day's work..... COST, \$400

(1677) SW KEARNY AND SUTTER.

Alter show room on 3rd floor.

Owner—Sherman Clay Co., Premises

Architect—None.

Contractor—E. Ellingson, 110 Jessie, San Francisco.

COST, \$2000

(1678) S BUSH 120 W Fillmore. One

story frame auto supply store.

Owner—Joe Rose, 1740 Franklin St., San Francisco.

Architect—None.

Contractor—Bovyer & Sons, 2407 California, San Francisco.

COST, \$1850

(1679) NW FILLMORE AND Mc-

Allister. Alter front of store.

Owner—United Cigar Stores Co., 555 Howard, San Francisco.

Architect—C. E. Jones, 555 Howard, San Francisco.

Contractor—E. Ellingson, 110 Jessie, San Francisco.

COST, \$1800

(1680) W RINCON 200 W Bryant.

Alter for flats.

Owner—John Sisk, 222 Harrison St., San Francisco.

Architect—None.

Day's work..... COST, \$600

(1681) NO. 233 GRANT AVE. Alter

for beauty parlors.

Owner—Elizabeth Arden, New York. Architect—None.

Contractor—L. & E. Emanuel, Inc., 1530 Filbert, San Francisco.

COST, \$700

(1682) NO. 66 ELGIN. Add new

porch.

Owner—Louis A. Wolff, Premises. Architect—None.

Contractor—W. J. Stevens, 110 Jessie, San Francisco.

COST, \$500

(1683) MARKET AND EDDY. Elec-

tric sign.

Owner—Jonas Milton, Premises. Architect—None.

Contractor—Novelty Elec. Sign Co., 165 Eddy, San Francisco.

COST, \$500

(1684) GREAT HIGHWAY AND CA-

brillo. Alter and add for penny

arcade.

Owner—John Friedle, Premises. Architect—None.

Day's work..... COST, \$1500

(1685) NO. 616 FRONT. Alter for

restaurant.

Owner—E. Pockini, 148 Pacific, S. F. Architect—None.

Contractor—S. A. Guisti, 617 Sansome, San Francisco.

COST, \$475

(1686) NO. 3043 SIXTEENTH. Alter

brick wall.

Owner—Joost Hardware Co., 3043 16th, San Francisco.

Architect—None.

Contractor—John Diestel, Russ Bldg., San Francisco.

COST, \$500

(1690) LOT 3 and S ½ Lot 2 Bk 22,

Forest Hill. All work for two-story

and basement frame residence.

Owner—Lloyd S. Ackerman, Mills Bldg., San Francisco.

Architect—None.

Contractor—J. Prout, 2020 Turk St., San Francisco.

Filed Aug. 16, '19. Dated July 29, '19. Floor joists 10..... \$2250

Rough plumbing and wiring in 2250

Ready for painters..... 2250

Completed and accepted..... 2250

Usual 35 days..... 3000

TOTAL COST, \$12,000

Bond, \$6000. Surety, Fidelity & Deposit Co. of Maryland. Limit, 105

working days. Forfeit, none. Plans and specifications filed.

NOTE:—1st report July 31, 1919, No. 1527.

(1691) N POST 160 W Montgomery

W 85x137-6. All work for alterations and addition to second floor

of Lick Building.

Owner—Real Property Invest. Corporation, 1st National Bk. Bldg., San Francisco.

Architect—None.

Contractor—Grace & Bernieri, Claus Spreckels Bldg., San Francisco.

Filed Aug. 16, '19. Dated Aug. 14, '19. Payments not given.....

TOTAL COST, labor and material plus 10%, not to exceed \$1626.

Bond none. Limit, 30 working days. Forfeit, none. Plans and specifications

filed.

NOTE:—1st report Aug. 7, 1919 No. 1598.

(1687) NW LOUISIANA & NEVADA

W 130xN 430. All work for pipe insulation.

Owner—Pacific Gas & Electric Co., 445 Sutter St., San Francisco.

Architect—None.

Contractor—H. W. Johns-Manville Co., 2nd and Howard, S. F.

Filed Aug. 16, '19. Dated July 31, '19. On completion..... 75%

Usual 35 days..... 25%

TOTAL COST, labor plus 17%

Bond, \$3000. Surety, National Surety Co. Limit, forfeit, none. Plans and

specifications filed.

(1688) N CALIFORNIA 25 E Baker

E 25x77-5. All work for alterations and additions for two-story residence

and laundry.

Owner—Jacques and Anna Lamanet, 2992 California, San Francisco.

Architect—Albert L. Lapachet and Martin A. Sheldon, 110 Sutter St., San Francisco.

Contractor—M. E. Vuhicevich, 1442 Taraval, San Francisco.

Filed Aug. 16, '19. Dated Aug. 14, '19. Building enclosed and roofing

in place..... \$840

Mill work and plaster done..... 850

Completed..... 845

Usual 35 days..... 845

TOTAL COST, \$3380

Bond, \$1690. Surety, Fidelity & Deposit Co. of Maryland. Limit, 36

days. Forfeit, none. Plans and specifications filed.

(1689) SW SECOND 135 NW Stillwell

NW 55x90. All work except iron

work and hardware for fire proof

doors and elevator for four-story

brick warehouse.

Owner—Charles W. Withington, 180

Jessie, San Francisco.

Architect—Lewis M. Gardner, 942

Pine, San Francisco.

Contractor—Martin S. Show.
Filed Aug. 16, '19. Dated Aug. 8, '19.
2nd floors joists up..... 25%
Roof on 25%
When finished 25%
Usual 35 days..... 25%

TOTAL COST, \$17,800.

Bond, \$10,000. Sureties, Maria Show and Fred Koldenstrod. Limit, 40 days. Forfeit, none. Plans and specifications filed.

NOTE:—1st report July 31, 1919.
No. 1523.

COMPLETION NOTICES.

San Francisco County.

RECORDED **ACCEPTED**
..... July 28, 1919
Aug. 9, 1919—NE PINE AND VAN
Ness Ave. Associated Oil Co to
Barrett & Hill. Aug. 5, 1919
Aug. 11, 1919—W THIRTY-FIRST
Ave. 150 N Geary N 25xW 120.
Henry J Kessel & wife Magdalena
Kessel to Max Hautsche.....
Aug. 13, 1919—NO. 334 MARKET.
Gordan Tailoring Co to Swenson
& Franzen..... Aug. 9, 1919
Aug. 14, 1919—E EDNA 25 N Marston
N 100x E 100; Lots 5, 6, 7, and
8 Blk 31, Sunnyside Tract. Jas A
Arnott to Jas Arnott & Son.....
..... Aug. 13, 1919
Aug. 15, 1919—NE NINETEENTH &
Howar^r 120 on Howard and 122-6
on 19th. Old Homestead Bakery
to Herman T Ludwig..... Aug. 14, '19
Aug. 15, 1919—COMG 53.70 SW fm
NW Cor. Blk 33 West End Map No.
1 running NW at right angles to
Delano 78 SW 25 SE 78 NE 25.
A R Larsan to whom it may concern.....
..... Aug. 13, 1919

BUILDING CONTRACTS

Alameda County.

The following is an index for the contracts for this time:

No.	Owner	Contractor	Am't.
1728	MacGregor	Owner	19600
1729	Wright	Wright	1000
1730	Grimes	Grimes	400
1731	Saul	Saul	500
1732	Sibbett	Owner	500
1733	Ruediger	Metz	1175
1734	Von Werder	Owner	800
1735	McGlothlen	Owner	400
1736	Van Haltern	Watson	990
1737	Zeller	Kopf	7500
1738	Scott	Scott	2400
1739	Thulen	Nelson	3500
1740	Elise	Schussler	4000
1741	Sprague	Peake	4500
1742	Koch	Pfrang	6000
1743	Francis	Francis	4900
1744	Kremm	Kremm	1800
1745	Anderson	Anderson	400
1746	Scoville	Scoville	400
1747	Fox	Newby	1950
1748	Mills Colleg	Owner	2500
1749	King	Cal Builders	7500
1750	Franklin	Hooper	600
1751	Sibley	Porter	500
1752	Bither	Carpenter	1500
1756	Spencer	Riddell	—
1757	Parson	Engler	3000
1758	Friend Co	Owner	3900
1759	Chryst	Pearson	600
1760	Sang Sang Co	Owner	750
1761	Milekovich	Owner	750
1762	Brask	Christiansen	15000
1763	Forgeus	Scott	425
1764	Best Steel	Petersen	10000

1765	Duuer	Owner	600
1766	Gobolie	Brown	1863
1767	Strang	Owner	5000
1768	Larsen	Larsen	3000
1769	Busse	Busse	2000
1770	Meyers	Meyers	400
1771	Grainger	Grainger	3500
1772	Petersen	Petersen	2000
1773	Webb	Hansson	400
1774	Bell	Bell	2000
1775	Cutter	Sattin	2200
1776	Evans	Coffee	400
1777	Mohr	Mohr	3000
1778	Patron	Siem	500
1779	Kelly	Rose	400
1780	Hollister	Hollister	400
1781	Stolte	Stolte	3150
1782	Oleny	Connor	400
1783	Johnson	Johnson	400
1784	Dahl	Olson	400
1785	Cornell	Cornell	400
1786	Soule	Soule	400
1787	Ismerth	Frostholm	450
1788	Noble	Noble	3000
1789	Rity Syn.	Frostholm	10000
1790	Hutchinson	Knowles	450

PIEDMONT COURT, Piedmont. Four two-story frame dwellings.
Owner—C. M. MacGregor, 470 10th, Oakland.
Architect—None.

Day's work. COST, \$4900 each

(1729) NO. 521 MERRIMAC, Oakland. Addition.
Owner—Ruby C. Wright, Premises.
Architect—None.
Day's work. COST, \$1000

(1730) NO. 3707 MAYBELLE, Oakland. Addition.
Owner—Mrs. C. T. Grimes, Premises.
Architect—None.
Day's work. COST, \$400

(1731) NO. 1324 E-EIGHTEENTH, Oakland. Addition.
Owner—P. M. Saul, 2224 E-15th, Okd.
Architect—None.
Day's work. COST, \$500

(1732) E POPLAR 150 S Seventh, Oakland. Alterations.
Owner—Sibbett Mfg. Co., Premises.
Architect—None.
Day's work. COST, \$500

(1733) NO. 1017 BROADWAY, Oakland. Bake oven.
Owner—Ruediger Loesch & Zink, 1017 Broadway, Oakland.
Architect—None.
Contractor—Paul Metz, 2029 Chan-ning Way, Berkeley.
COST, \$1175

(1734) NO. 3524 FOURTEENTH AVE. Oakland. Addition.
Owner—G. H. Von Werder, Premises.
Architect—None.
Day's work. COST, \$300

(1735) NO. 1228 SHATTUCK AVE., Berkeley. Garage.
Owner—W. S. McGlothlen, Premises.
Architect—None.
Day's work. COST, \$400

(1736) NO. 737 HENRY, Oakland. Addition.
Owner—Geo. Van Haltern.
Architect—None.
Contractor—W. F. Watson, 763 12th, Oakland.
COST, \$990

(1737) SW EXCELSIOR AND ALMA Aves., Oakland. Two-story 7-room dwelling.

Owner—W. S. Zeller, 2619 San Jose Ave., Alameda.
Architect—Edwin J. Symmes, 1700 Pearl, Alameda.
Contractor—Ben. F. Kopf, 1015 82nd Ave., Oakland.
COST, \$7500

(1738) E FRUITVALE AVE 41½ N Pleasant, Oakland. One-story 5-room dwelling.
Owner—John Scott, 516 52nd, Oakland
Architect—None.
Day's work. COST, \$2400

(1739) E PARK BLVD. 50 S Dolores Oakland. One-story 5-room dwlg.
Owner—W. L. Thulen.
Architect—None.
Contractor—Oscar E. Nelson, 537 66th Oakland.
COST, \$3500

(1740) W THE ALAMEDA 170 N Solano Ave., Berkeley. One-story 6-room dwelling.
Owner—Ralph Eltse, Berkeley.
Architect—None.
Contractor—H. H. Schussler, 2436 Telegraph Ave., Berkeley.
COST, \$4000

(1741) W HENRY 240 AND 400 N Cedar, Berkeley. Two one-story 5-room dwellings.
Owner—Miss Edith Sprague, Cedar & Henry, Berkeley.
Architect—None.
Contractor—F. R. Peake, 2100 Shattuck Ave., Berkeley.
COST, \$2250 each

(1742) NW SIXTY-THIRD & COLBY Oakland. All work for two-story 6-room dwelling and garage.
Owner—T. L. Koch & Alma Griesche, 63rd and Colby, Oakland.
Architect—None.
Contractor—H. C. Pfrang, 5507 College Ave., Oakland.

Filed Aug. 12, '19. Dated July 26, '19.
Frame up ¼
Plastered ¼
Completed and accepted..... ¼
Usual 35 days..... ¼
TOTAL COST, \$6000
Bond, none. Limit, 130 days from Aug. 10. Forfeit, none. Plans and specifications filed.

(1743) NW SEVENTY-THIRD AVE and Bissell and W 73rd Ave 30 N Bissell, Oakland. Two one-story 5-room dwellings.
Owner—E. O. Francis, 4315 E-12th St., Oakland.
Architect—None.
Day's work. COST, \$2000 each

(1744) NO. 2575 FRUITVALE AVE., Oakland. Fire repairs.
Owner—Wm. Kremm, Premises.
Architect—None.
Day's work. COST, \$1800

(1745) NO. 1521 E-THIRTY-SEVENTH, Oakland. Addition.
Owner—Anderson & McCoy, 1483 Wellington, Oakland.
Architect—None.
Day's work. COST, \$400

(1746) NO. 1750 THIRTY-FIFTH AVE., Oakland. Repairs.
Owner—Avery Scoville, Premises.
Architect—None.
Day's work. COST, \$400

(1717) E EIGHTY-SIXTH AVE 200 N Dowling, Oakland. One-story 5-room dwelling.
Owner—Geo. H. Fox, 826 8th, Okd.
Architect—None.
Contractor—Newby & Co., 2257 Addison, Oakland.
COST, \$1950

(1748) MILLS COLLEGE, Oakland. One-story warehouse.
Owner—Mills College, Premises.
Architect—None.
Day's work.
COST, \$2500

(1749) NE FORTY-FIRST AND OPAL Oakland. Two-story 12-room apartments.
Owner—Delia King, 1534 Franklin, Oakland.
Architect—None.
Contractor—California Builders Co., 1534 Franklin, Oakland.
COST, \$7500

(1750) NO. 3308 ADELINE, Berkeley Alterations.
Owner—Wm. Franklin.
Architect—None.
Contractor—M. E. Hopper & Son, 90 Glen Ave., Oakland.
COST, \$600

(1751) NO. 1403 SCENIC AVE., Berkeley. Alterations.
Owner—Mrs. C. B. Sibley, Premises.
Architect—None.
Contractor—H. H. Porter, 2563 Buena Vista Way, Berkeley.
COST, \$500

(1752) W SPAULDING 245 N Channing, Berkeley. One-story 3-room dwelling.
Owner—Edith B. Bither, 1746 Francisco, Berkeley.
Architect—None.
Contractor—L. Carpenter, 572 20th, Oakland.
COST, \$1550

(1756) SE 40 LO T19 BLK 1 Map Re-subdivision Portion Blk No. 1, Hotel Claremont Tct, Berkeley. All work for two-story 6-room dwelling.
Owner—Doris C. Spencer, 1737½ Channing Way, Berkeley.
Architect—None.
Contractor—Riddell Building Service Corp., 2245 Telegraph Ave., Bkly. Filed Aug. 13, '19. Dated Aug. 9, '19.
Frame up\$1000
Brown coated 1000
Completed and accepted..... 1000
Usual 35 days.....Balance
TOTAL COST, 10%
Bond, limit, forfeit, none. Plans and specifications filed.

(1757) NO. 2618 HILGARD AVE., Berkeley. Garage.
Owner—Wm. F. Chryst, Premises.
Architect—Edna Deakin, 3100 Telegraph Ave., Berkeley.
Contractor—Ben Pearson, — Grant St., Berkeley.
COST, \$600

(1758) N CATALINA AVE 575 E Colusa, Berkeley. Two-story six-room dwelling.
Owner—Geo. Friend Co., Thousand Oaks, Berkeley.
Architect—Noble Newson, Thousand Oaks, Berkeley.
Day's work.
COST, \$3900

(1759) W WALNUT 511.15 N Eunice, Berkeley. One-story 5-room dwlg.

Owner—Otto A. Parsons, Bancroft Way, Berkeley.
Architect—None.
Contractor—Louis Engler, 2435 College Ave., Berkeley.
COST, \$3000

(1760) NO. 427 NINTH, Oakland. Alterations.
Owner—Sang Sang Co., Premises.
Architect—None.
Day's work.
COST, \$750

(1761) NO. 1913 CASTRO, Oakland. Addition.
Owner—N. Milekovich, 1932 West, Oakland.
Architect—None.
Day's work.
COST, \$750

(1762) N E-TWELFTH 125 W 23rd Ave., Oakland. One-story brick garage.
Owner—Brask Bros. & Bower, 2325 E 14th, Oakland.
Architect—L. F. Hyde, 2745 26th Ave., Oakland.
Contractor—N. Christiansen, 2536 E-15th, Oakland.
COST, \$15,000

(1763) NO. 1016 BROADWAY, Oakland. Alterations.
Owner—J. W. Forgeus, Santa Cruz.
Architect—None.
Contractor—G. A. Scott, 683 23rd, Oakland.
COST, \$425

(1764) 105TH AVE AND S. P. R. R. Oakland. One-story foundry.
Owner—Best Steel Casting Co., Elmhurst.
Architect—None.
Contractor—G. Petersen, 3605 Hageman Ave., Oakland.
COST, \$10,000

(1765) N E-FOURTEENTH 100 E 42nd Ave., Oakland. One-story warehouse.
Owner—Duner Matheny Sash & Door Co., 4200 E-14th, Oakland.
Architect—None.
Day's work.
COST, \$600

(1766) NO. 2533 E-TENTH, Oakland Alterations.
Owner—Antone Gobolie, Premises.
Architect—None.
Contractor—M. Brown, 1922 E-14th, Oakland.
COST, \$1863

(1767) N EXCELSIOR AVE 150 W Spruce, Oakland. Two-story six-room dwelling.
Owner—F. N. Strang, 1405 Central Ave., Alameda.
Architect—None.
Day's work.
COST, \$5000

(1768) W TWENTY-NINTH AVE 258 S E-16th, Oakland. One-story five-room dwelling.
Owner—R. K. Larsen, 1550 28th Ave., Oakland.
Architect—None.
Day's work.
COST, \$3000

(1769) NO. 4285 MAYBELLE AVE., Oakland. One and one-half-story 3-room dwelling.
Owner—M. A. Busse, 4283 Maybelle Ave., Oakland.
Architect—None.
Day's work.
COST, \$2000

(1770) NO. 10610 E-FOURTEENTH, Oakland. Addition.
Owner—John W. Meyers, Premises.
Architect—None.
Day's work.
COST, \$400

(1771) E CORONADO AVE 80 N 51st Oakland. One-story 6-room dwlg.
Owner—I. L. Grainger, 537 66th, Okd.
Architect—None.
Day's work.
COST, \$3500

(1772) W NINETY-SECOND AVE 62 N Sunnyside, Oakland. One-story 6-room dwelling.
Owner—F. Petersen, Oakland.
Architect—None.
Day's work.
COST, \$2000

(1773) NO. 6437 COLLEGE, Oakland. Garage.
Owner—Mrs. E. Webb, 2821 Hillegass Ave., Berkeley.
Architect—None.
Contractor—Louis O. Hansson, 1128 The Alameda, Berkeley.
COST, \$400

(1774) W SEMINARY AVE 240 S E-14th, Oakland. One-story 5-room dwelling.
Owner—W. B. Bell, 1257 46th Ave., Oakland.
Architect—None.
Day's work.
COST, \$2000

(1775) SIXTH, bet. Grayson and Snyder, Berkeley. Cold storage room.
Owner—The Cutter Laboratory, Prem.
Architect—None.
Contractor—H. J. F. Sattin, 2925 Hillegass Ave., Berkeley.
COST, \$2200

(1776) NO. 2727 BENVENUE AVE., Berkeley. Garage.
Owner—Mrs. N. M. Evans, 2801 Stuart Berkeley.
Architect—None.
Contractor—Mr. Coffee.
COST, \$400

(1777) N ASHBY AVE 100 E Ellsworth, Berkeley. One-story five-room dwelling.
Owner—Geo. L. Mohr, 1810 Shattuck Ave., Berkeley.
Architect—None.
Day's work.
COST, \$3000

(1778) NO. 2057 CENTRAL AVE., Alameda. Alterations.
Owner—V. Patron, Premises.
Architect—None.
Contractor—C. Siem, 1552 Park, Ala.
COST, \$500

(1779) NO. 1311 GRAND, Alameda. Alterations.
Owner—James W. Kelly, Premises.
Architect—None.
Contractor—A. H. Rose & Co., 525 17th, Oakland.
COST, \$400

(1780) NO. 1922 BROADWAY, Alameda. Alterations.
Owner—Geo. W. Hollister, 1812 27th Ave., Oakland.
Architect—None.
Day's work.
COST, \$400

(1781) NO. 1642 BROADWAY, Alameda. One-story 5-room dwelling.
Owner—F. C. Stolte, 3444 Laguna Ave., Oakland.

Architect—None
Day's work. COST, \$3150

(1782) NO. 2702 DWIGHT WAY, Berkeley. Alterations and additions. Owner—Warren Oleny, Premises. Architect—None. Contractor—Connor & Connor, Berkeley Way and Shattuck Ave., Berkeley. COST, \$400

(1783) NO. 5006 CONGRESS AVE., Oakland. Additions. Owner—Hans Johnson, Premises. Architect—None. Day's work. COST, \$400

(1784) NO. 1130 FIRST AVE., Oakland. Alterations. Owner—Mrs. T. Dahl, Premises. Architect—None. Contractor—Edw. Olson, 264 Mather, Oakland. COST, \$400

(1785) NO. 1447 THIRTEENTH AV., Oakland. Alterations. Architect—E. P. Cornell. Architect—None. Day's work. COST, \$400

(1786) NOS. 465-67 TWELFTH, Oakland. Alterations. Owner—E. Bacon Soule, 31 Bacon Bldg., Oakland. Architect—None. Day's work. COST, \$400

(1787) NO. 4168 PIEDMONT AVE., Oakland. Addition. Owner—C. P. Ismerth, Premises. Architect—None. Contractor—H. M. Frostholt, 5311 Lawton Ave., Oakland. COST, \$450

(1788) NE TWENTY-EIGHTH AVE and E-12th, Oakland. One-story 5-room dwelling. Owner—G. H. Noble, 2205 Santa Clara Ave., Alameda. Architect—None. Day's work. COST, \$3000

(1789) NE ELEVENTH AND WEBSTER, Oakland. One-story brick office building. Owner—Realty Syndicate Co., 1440 Broadway, Oakland. Architect—Hamilton Murdock, Syndicate Bldg., Oakland. Contractor—H. M. Frostholt, 5311 Lawton Ave., Oakland. COST, \$10,000

(1790) NO. 444 SEVENTEENTH, Oakland. Alterations. Owner—D. Hutchinson, Premises. Architect—None. Contractor—Wm. Knowles, Central Bank Bldg., Oakland. COST, \$450

BUILDING CONTRACTS.

Contra Costa County.

SW STANDARD AVE, Richmond. Plumbing equipment for three-story Class "A" laboratory building. Owner—Standard Oil Co. Architect—Geo. W. Kelham, Sharon Bldg., San Francisco. Contractor—F. W. Snook Co., 594 Clay St., San Francisco.

Filed July 2, '19. Dated June 27, '19. Payments not given. TOTAL COST, \$12,668
Bond, \$6334. Surety, Globe Indemnity Co. Limit, 60 working days. Forfeit, none. Plans and specifications filed.

INTERIOR MARBLE & TERRAZZO work on above. Contractor—Joseph Musto Sons-Keenan Co., 535 North Point St., San Francisco.

Filed July 29, '19. Dated July 1, '19. Monthly payments. TOTAL COST, \$8770
Bond, \$4385. Surety, Fidelity & Casualty Co. of New York. Limit, 33 working days. Forfeit, none. Plans and specifications filed.

INTERIOR AND EXTERIOR IRON & bronze work on above. Contractor—California Artistic Metal Wire Co., 347 7th St., San Francisco.

Filed July 29, '19. Dated July 1, '19. Payments same as above. TOTAL COST, \$5975
Bond, \$2988. Surety, National Surety Co. of New York. Limit, 40 working days. Forfeit, none. Plans and specifications filed.

ORNAMENTAL PLASTERING WORK on above. Contractor—Herman Bosch, 180 Jessie St., San Francisco.

Filed July 29, '19. Dated July 1, '19. Payments same as above. TOTAL COST, \$3590
Bond, \$1795. Surety, Fidelity & Deposit Co. of Maryland. Limit, 35 working days. Forfeit, none. Plans and specifications filed.

ALL WORK FOR REFRIGERATING plant on above.

Contractor—James T. Ludlow, 604 Mission St., San Francisco. Filed July 29, '19. Dated July 23, '19. Payments same as above. TOTAL COST, \$5425

Bond, \$2713. Surety, Fidelity & Deposit Co. of Maryland. Limit, 60 working days. Forfeit, none. Plans and specifications filed.

ELECTRICAL WORK ON ABOVE. Contractor—Ne Page-McKinney Co., Washington.

Filed July 29, '19. Dated June 24, '19. Payments same as above. TOTAL COST, \$3858
Bond, \$1929. Surety, United States Fidelity & Guaranty Co. of Maryland. Limit, forfeit, none. Plans and specifications filed.

FLOOR AND WALL TILE ON ABOVE Contractor—Mangrum & Otter.

Filed July 29, '19. Dated July 1, '19. Payments same as above. TOTAL COST, \$38,429
Bond, \$9215. Surety, National Surety Co. Limit, 40 working days. Forfeit none. Plans and specifications filed.

BLOCK "C" adjoining Bank of Concord Building, Concord. Excavation, concrete work, brick work, lumber, carpenter work, plumbing, plastering, marble work, painting, electrical, roofing, sheet metal, hardware, etc., for one-story brick and frame building. Owner—Fidelity Bond & Mortgage Co.

Architect—David C. Coleman, 46 Kearny St., San Francisco. Contractor—Elhart Constr. Co. Filed Aug. 7, '19. Dated May 30, '19. Foundation walls in and floor joists laid. \$2893.25
Brick walls up and ready for roof. 2893.25
When completed. 2893.25
36 days after. 2893.25
TOTAL COST, \$11,573.00
Bond, \$5786.50. Sureties, J. A. Dowling and Geo. Y. Vondener. Limit, 60 days. Forfeit, none. Plans and specifications filed.

BUILDING CONTRACTS.

Santa Clara County.

NO. 570 S-ELEVENTH ST., San Jose. Six-room frame cottage. Owner—L. Cannias, San Jose. Architect—None. Contractor—Elwood Hiatt, 872 Bellamy St., Santa Clara. COST, \$2925

FIRST AND SAN CARLOS STS., San Jose. Three-story reinforced concrete auto sales building. Owner—H. B. Fry, Wilcox Bldg., San Jose. Architect—J. H. Powers, 460 Montgomery St., San Francisco. Contractor—Cabill-Vansano Co., 110 Sutter St., San Francisco. COST, \$30,000

FIFTEENTH ST., Naglee Terrace, San Jose. One-story frame cottage. Owner—A. K. Burkett, 161 N-16th St., San Jose. Architect—None. Day's work. COST, \$3000

TWELFTH AND EMPIRE STS., San Jose. Two-story frame residence. Owner—S. Di Cola, 598 N-11th St., San Jose. Architect—None. Day's work. COST, \$3000

COMPLETION NOTICES.

Santa Clara County.

Recorded Aug. 3, 1919—LOT 31 BLK 4, Hester Park, San Jose. C A Larson to whom it may concern. Aug. 6, 1919
Aug. 9, 1919—S QUITO RANCHO Fruitvale Ave, San Jose. Gertrude D White to O H Anderson. Aug. 7, 1919
Aug. 11, 1919—ALMA ST. AND Lincoln Ave., Palo Alto. Henry A and Verna M Waldron to whom it may concern. Aug. 1, 1919

BUILDING CONTRACTS.

San Joaquin County.

WASHINGTON ST., bet. El Dorado and Hunter Sts., being Lot 1 Blk "E", Stockton. Brick building. Owner—Lee Yum, Stockton. Architect—None. Day's work. COST, \$11,000

LOT 182 BLK 5, Sperry Addition, Stockton. Dwelling. Owner—Phil Storie, 145 W-Willow St., Stockton.

Architect—None.

Day's work. COST, \$5000

LOT 8 BLK 13, E-Market St., Stockton Remodel.

Owner—Mrs. W. H. Shaffer, Stockton

Architect—None.

Day's work. COST, \$1000

COMPLETION NOTICES.

San Joaquin County.

Recorded Accepted
 Aug. 11, 1919—LOT 1 BLK 31 West
 of Center St., Stockton. M Tager
 and Mrs M Tager to H J Le Blanc
 April 7, 1919

BUILDING CONTRACTS.

San Mateo County.

RUNNYMEDE, San Mateo. Completion
 and finishing in present building
 and erect one new open air play
 room.

Owner—Board of School Trustees

Ravenwood School District.

Architect—Norman R. Coulter, 46

Kearny St., San Francisco.

Contractor—J. F. Collins.

Filed Aug. 1, '19. Dated July 31, '19.

 $\frac{1}{2}$ completed. 75%

Usual 35 days. \$725

TOTAL COST, \$2900

Bond, \$2900. Sureties, W. H. Paffin
 and Charles Weeks. Limit, 30 work-
 ing days. Forfeit, none. Plans and
 specifications filed.

PTN LOT NO. 5-A containing 3.027
 acres, Hillsborough. All work for
 electric wiring, conduits, switches,
 cut outs and panel boards for dwlg.
 Owner—Frank Schwabacher, 544
 Costa Rica, San Mateo.

Architect—Howard & White, 35

Montgomery St., San Francisco.

Contractor—M. E. Ryan Electrical

Co., Redwood City.

Filed Aug. 5, '19. Dated, —.

Roughing in done. \$900.00

Work completed. \$63.00

Usual 35 days. 487.85

TOTAL COST, \$1950.85

Bond, \$1000. Surety, Fidelity & De-
 posit & Trust Co. of Maryland. Limit
 75 working days. Forfeit, none.
 Plans and specifications filed.

LOT 10 BLK 7, Burlingame Park No.
 2, Burlingame. All work for one-
 story 7-room and basement frame
 dwelling with plastered exterior.

Owner—Samuel D. Mirk, of Burlingame Advance, Burlingame.

Architect—T. M. Edwards, 833 Market

St., San Francisco.

Contractor—Frank H. Boring, 514

Santa Inez St., San Mateo.

Filed July 28, '19. Dated July 23, '19.

Frame up. \$1420

1st coat plaster on. 1420

Completed and accepted. 1420

Usual 35 days. 1420

TOTAL COST, \$5680

Bond, limit, forfeit, none. Plans and
 specifications filed.

COMPLETION NOTICES.

San Mateo County.

Recorded Accepted
 August 1, 1919—NO. 69 ELLS-
 worth Ave., San Mateo. Louise
 Throwell and S E Thorwell

to Chris and George Larsen.

August 25, 1919

BUILDING CONTRACTS.

Fresno County.

S $\frac{1}{2}$ LOT 6 BLK 17, Lucerne Tract,
 Fresno. Frame dwelling and ga-
 rage.

Owner—John Miller, Fresno.

Architect—None.

Contractor—E. R. Morris, 2031 Lewis

St., Fresno.

COST, \$2950

COMPLETION NOTICES.

Alameda County.

Aug. 8, 1919—N 35 LOT 16 BLK 8
 Map Northbrae Station Tract,
 Louis Balasek to Benjamin

F Woolley. Aug. 7, 1919

Aug. 8, 1919—LOT 3 BLK 9, Peralta

Tract, S L Tillman to Jas

W Brazier. Aug. 6, 1919

Aug. 11, 1919—NW SIXTY-NINTH

Ave and NE Hamilton NE 35xNW

100, Okd. John H Bolton and

Frederick J Burnett to George D

Stratton and Wm Vicks. August 11, 1919

Aug. 11, 1919—NW SIXTY-NINTH

Ave and NE Hamilton NE 30xNW

100, Okd. John H Bolton and

Frederick J Burnett to George D

Stratton and Wm Vicks. August 11, 1919

Aug. 12, 1919—LOT 14 Sheet No. 2,

Map Nova Piedmont, Piedmont. G

L Henry to Harry Schwalim. Aug. 11, 1919

Aug. 13, 1919—SW E-THIRTY-

third and Elliot, Okd. Florence

Winger to Fred N Fabing. Aug. 9, 1919

Aug. 15, 1919—N 20 LOT 64 and S

20 Lot 65 Blk "A" Map Broadway

Terrace, Okd. W I Brobeck to

Charles W Gompertz. Aug. 7, 1919

Aug. 15, 1919—LOT 63 and N 10 Lot

62 and S 5 Lot 64 Blk "A" Map

Broadway Terrace, Okd. W I

Brobeck to Charles W Gompertz

Aug. 7, 1919

Aug. 15, 1919—LOT 61 and S 15 Lot

62 Blk "A" Map Broadway Ter-
 race, Okd. W I Brobeck to Chas

W Gompertz. Aug. 7, 1919

TACOMA, Wash.—Bids will be re-

ceived by the Pierce County Commis-

sioners up to October 10th for the

construction of 95 miles of hard sur-

faced roads.

The call for bids provides for new

roads and connecting links in prac-

tically every section of the county and

will cost approximately \$2,500,000.

Further information and plans may

be had from E. A. White, County En-

gineer, who has full charge of the pro-

posed improvements.

SAN BERNARDINO, San Bernardi-

no Co., Cal.—Until 7:30 p. m. August

19. Bids will be received by the Board

of Water Commissioners for furnish-

ing to the city 2,000 ft. 12 in. water

pipe and 8,000 ft. 6-in. pipe, same to

be lead joint pipe, either cast iron

or lap welded, dipped or coated with

asphaltum; price to be quoted f. o. b.

cars San Bernardino. Bidders must

submit samples of pipe and detailed

specifications. Certified check 50-10%

required. C. W. Smith, President of Board.

FRESNO, Fresno Co., Cal.—Bids
 for fifty miles of 5-inch concrete, 16
 foot trunk line boulevard connecting
 Fresno with Kerman, Sanger, Fowler,
 Reedley, Parlier and Caruthers, form-
 ing four miles of the Fresno county
 highway system will be called about
 September 10th, according to an an-
 nouncement by the Supervisors. The
 fifty miles will cost in the neighbor-
 hood of \$1,000,000, it is estimated.

Following are the units to be built:
 Blackstone avenue and Shaw avenue
 to Melvin, 9 miles, to within $\frac{1}{2}$
 mile of Clovis city limits.

Whitesbridge road, Fresno to Ker-
 man, 14 miles.

Ventura avenue from Fresno to the
 Sanger academy road, 9 miles.

Adams avenue from Fowler through
 Parlier to Reedley, 8 miles.

Elm avenue from Fresno to Caruth-
 ers, 12 miles.

PORTLAND, Ore.—No bids were re-
 ceived by the Oregon State Highway
 Commission, Yeon Bldg., Portland, for
 the following improvements:

Forest Grove-Gaston section of For-
 est Grove-McMinnville Highway in
 Washington County, 6.7 miles of maca-
 dam.

Walker-Cottage Grove section of
 Pacific Highway in Lane County, 3.03
 miles of waterbound macadam.

It is probable that a new call for
 bids will be issued.

FRESNO, Fresno Co., Cal.—The
 City Council, Chas. Dillon, City Clerk,
 has adopted plans and passed a resolu-
 tion of intention providing for the
 following work:

That Belmont avenue from Van
 Ness avenue to First street.

1. Graded between the curb lines.

2. Curbed and guttered with cement

concrete curb and gutter.

3. Culverted with corrugated iron
 cross and return culverts, with man-
 holes where shown on the plans.

4. Paved between gutter line with a
 pavement consisting of a 4-inch cem-
 ent concrete base and a bituminous
 wearing surface $1\frac{1}{2}$ inches thick.

OAKLAND, Cal.—The City Council,
 L. W. Cummings, City Clerk, has
 awarded contracts as follows:

To Hutchinson Co., for the improve-
 ment of 37th avenue between East
 14th street and Post street on the
 following bid:

Per square foot of grading. \$.05

Per linear foot of concrete curb. .60

Per square foot of concrete gutter. .23

Per square foot of oil macadam

pavement. .13

To Bates & Borland, for improve-

ment of 87th avenue between Birch

and the eastern line of the Aussen's

Tract, etc., on the following bid:

Per square foot of grading. \$.02

Per linear foot of redwood curb. .18

Per square foot of concrete gutter. .22

Per square foot of oil-macadam

pavement. .135

Per linear foot of 8" by 24" corru-

gated iron and concrete cul-

vert. 4.80

Per linear ft. of 6" by 20" wooden

box culvert. 2.50

Per handle-hole. 7.50

Per granite header-block. 7.50

ADVANCE NEWS

Official Proposals, Etc.

Building.

APARTMENT HOUSES.

Segregated Figures Being Taken.
APARTMENTS Cost, \$40,000
SAN FRANCISCO. Pine Street near Leavenworth Street.
 Three-story and basement frame apartments (15 apts).
 Owner—Louis Shensen.
 Architect—Frederick H. Meyer, Bankers' Invst. Bldg., San Francisco.

Segregated Figures to be Taken Next Week.
APARTMENTS Cost, \$—
SAN FRANCISCO. SW Fifteenth Ave. and Geary Street.
 Two three-story frame apartment houses, 100x142; 24 3 and 4 room apts. (Colonial style with garage court between the buildings, fountain pool, etc. Basement garages.
 Owner—Withheld.
 Architect—August Headman, Call Bldg., San Francisco.

Contract Awarded.
APARTMENTS Cost, \$40,000
SAN FRANCISCO. Octavia and Broadway.
 Four-story Class "C" apartment house
 Owner—Withheld.
 Architect—G. A. Applegarth, Claus Spreckels Bldg., San Francisco.
 Contractor—Travia & Co., 400 Bay St., San Francisco.
 (27409) 1st report May 14; 4th July

STEEL CONTRACT AWARDED.
SAN FRANCISCO.—Marcus Marcussen, 201 Sansome street, contractor for the six-story Class "A" reinforced concrete apartment house of Mrs. E. De Wolfe and Mrs. A. L. Prownlee, has awarded a contract for the steel to The Pacific Rolling Mill Co. The building will be erected on the south side of California street E of Taylor.

Plans Being Figured.
APARTMENTS Cost, \$75,000
VALLEJO, Solano Co., Cal.
 Five-story and basement steel frame, brick and terra cotta apartment house.
 Owner—Harry Handlery.
 Architect—Bernard J. Joseph, Call Bldg., San Francisco.

BONDS.

WOODLAKE, Tulare Co., Cal.—Bonds of \$14,000 have been voted by the Ivanhoe School District to finance construction of a brick two-room school building.

YURA CITY, Sutter Co., Cal.—Bids will be received by the County Supervisors up to September 2nd, for the purchase of the \$5,000 bond issue of the Nicolaus School District.
 (29346) 1st report Aug. 5, 1919,

CHURCHES.

Contract Awarded. Sub-Figures Being Taken by Contractor.
CHURCH Cost, \$50,000
SAN RAFAEL, Marin Co., Cal.
 Reinforced concrete church.
 Owner—Roman Catholic Archbishop, St. Raphael Parish.
 Architects—Shea & Loftquist, Chronicle Bldg., San Francisco.
 Contractor—Jas. L. McLaughlin, 244 Kearny St., San Francisco.

Plans Being Prepared.
CHURCH Cost, \$40,000
 Parsonage, \$5,000. A pipe organ costing \$5,000 will be installed.
LODI, San Joaquin Co., Cal.
 Hollow tile church (seating capacity of 750) 90x110 and parsonage.
 Owner—Christian Church of Lodi, Rev. Benj. Smith, Pastor, Lodi.
 Architect—Francis Reid, Concord.

LOS ANGELES, Cal.—The California School of Religion, affiliated with the Christian Church denomination, is negotiating for a site near the southern branch of the University of California at Vermont Ave. and Santa Monica Blvd., upon which to establish a college for the training of Christian workers. It is the intention of the Church to expend approximately \$700,000 for new buildings. No architect has been engaged to prepare plans for the new college buildings.

COURTHOUSES.

WINNEMUCCA, Nevada.—The contract for the construction of the Winnemucca, Humboldt County, Courthouse has been awarded by the Supervisors to Howard S. Williams, Hearst Bldg., San Francisco, on his bid of \$134,821, exclusive of plumbing, heating, electric wiring and finish hardware.

F. J. De Longchamps of Reno is the architect.

FACTORIES AND WAREHOUSES.

MODESTO, Stanislaus Co., Cal.—The Pratt-Low Canning Co., 9th and "C" Sts., Modesto, is planning additions to the present plant that will increase the capacity about 50 per cent. Estimates are now being compiled as to the cost of the improvements which are expected to run in the neighborhood of \$70,000. A reinforced concrete warehouse costing \$40,000 is included in the plans.

LOS ANGELES, Cal.—The Mathews Paint Co., 219 S. Los Angeles St., Los Angeles, has purchased a site of several acres at San Fernando Road, Idell street and Avenue 26 as a location for a new factory and warehouse building. The structure will be two stories, of brick construction and will cost about \$75,000.

LODI, San Joaquin Co., Cal.—The Lodi branch of the California Almond

Growers' Association is planning to enlarge its plant to handle twenty tons of nuts per day.

Foundations Started For Addition to Steel Plant.
PITTSBURG, Contra Costa Co., Cal.
 ADDITION Cost, \$250,000
 Steel and corrugated iron rolling plant addition.
 Owner—Columbus Steel Co., 503 Market St., San Francisco and Pittsburg, Cal.

Work has been started by the owners on the foundations and contracts awarded on the balance of the work. Further information will be given later.

Owner Taking Figures.
LOFTS. Cost, \$—
LOS ANGELES. SW 3rd and Crocker streets.
 Three-story brick loft building, 56x119.
 Owner—C. W. Deming, 473 E 3rd St. Lessee—The Pacific Tool & Supply Co. Architect—C. C. Kittenhouse, 310 Wilcox Bldg., Los Angeles.

Plans Being Prepared.
WAREHOUSE Cost, \$40,000
FRESNO, Fresno Co., Cal. "H" and El Dorado Streets.
 One-story reinforced concrete warehouse.
 Owner—Edw. T. Foulkes, Crocker Bldg., San Francisco.
 Architect—Edw. T. Foulkes, Crocker Bldg., San Francisco.

This property, 162-6x150, was purchased recently by Mr. Foulkes, and will be improved with a warehouse provided a lease is closed, which has practically been agreed upon.

Plans Being Prepared.
WAREHOUSE Cost, \$—
LOS ANGELES, Cal. Hewitt Street near Palmetto.
 Three-story and basement reinforced concrete warehouse, 50x130.
 Owner—Barker Bros.
 Architect—W. J. Saunders, Laughlin Bldg., Los Angeles.

Contract Awarded.
WAREHOUSE Cost, \$5,000
EMERYVILLE, Calif.
 One-story corrugated iron warehouse, 100x50.
 Owner—Sherwin-Williams Paint Co., 454 2nd St., San Francisco.
 Architect—Engineering Department of owner.
 Contractor—George Wagner, 251 Kearny St., San Francisco.
 Frame is going up.

Contracts Awarded.
 ADDITION Cost, \$—
SAN FRANCISCO. No. 530 Howard Street.
 Add 2 stories to two-story reinforced concrete loft building.
 Owner—F. A. Quinby, 465 California St., San Francisco.
 Architect—Arthur S. Bugbee, 316 Sharon Bldg., San Francisco.

Reinforced concrete work awarded to Adam Arras, 65 Hoff Ave., for \$13,770.

Roofing to Fiberstone Roofing Co.
Plumbing to Albach & Mayer.
Electric work to National Elec. Co.
Carpenter work to L. A. Hinson.
Elevator work to Van Emon Elec. Co.

Iron work to Michel & Pfeffer.

Plans Being Prepared.

BUILDINGS Cost, \$300,000 (1st unit.)

OAKLAND, Cal. 29th Avenue and E-11th Street.

Three one-story reinforced concrete buildings. Administration, 50x100; Welfare Bldg., 50x250, and Plant Bldg., 250x450 for jam and jelly manufacturing plant (1st unit).

Owner—H. Jones & Co., Ltd., Australia.

Architect—Washington J. Miller, 417 Market St., San Francisco.

SAN FRANCISCO, Cal.—Architect Washington J. Miller, 417 Market St., San Francisco, is making expert surveys of the canning plants of Hunt Bros. and will prepare plans for extensions and improvements amounting to approximately \$500,000.

The plants to be improved are located at Hayward, San Jose, Los Gatos, Exeter and Salem, Ore. Construction work will not be started until next year.

Plans being prepared.

ADDITION Cost, \$6,500
FRESNO, Fresno Co., Cal. Merced Street bet. H and I Streets.

Fireproof addition of one story to present building.

Owner—Myers Welding Works.

Architects—Coates & Travers, Rowell Bldg., Fresno.

FIRE HOUSES AND JAILS.

REDWOOD CITY, San Mateo Co., Cal.—Bids for the construction of the branch County Jail at Half Moon Bay were received by the County Supervisors as follows:

Savage and Wrightman\$3,000
K. Lavine3,339

Fred D. Boese3,350

Awarded to Savage & Wrightman.
Elizabeth M. Nash, is County Clerk.

Ready For Figures in Two or Three Weeks.

FIREHOUSE, ETC. Cost, \$25,000
REDWOOD CITY, San Mateo Co., Cal.

Two-story reinforced concrete or brick firehouse and memorial hall (stone and terra cotta trim).

Owner—Redwood City.

Architect—J. R. Miller, Lick Bldg., San Francisco.

FLATS.

SACRAMENTO, Cal.—The Libby, McNeil & Libby interests plan the erection of one hundred addition flat building in addition to houses already constructed and under construction.

The buildings are rented to the workers at \$8 and \$10 per month, the rent being refunded if the tenant works the season out.

Ready for Figures Next Week

FLATS, ETC. Cost, \$15,000
SAN FRANCISCO. Franklin St.

Two-story and basement frame flats. (2 flats and basement garage.)

Owner—Withheld.

Architect—Albert J. Fabre, Cr French Bk., 110 Sutter St., San Francisco

GARAGES.

Sketches Being Prepared.

SHOP BLDG. Cost, \$8,000
SAN FRANCISCO. W Mission N 14th.

One-story brick auto repair shop building, 28x100.

Owner—Not given.

Architect—S. Heiman, 57 Post Street, San Francisco.

Plans Being Prepared.

SHOP BLDG. Cost, \$14,000
SAN FRANCISCO. N Post W Leavenworth.

One-story brick auto repair shop building, 35x137-6.

Owner—Goldberg-Bowen Co.

Architect—S. Heiman, 57 Post Street, San Francisco.

Contract Awarded.

GARAGE Cost, \$—
OAKLAND, Alameda Co., Cal. Piedmont Ave. bet. Moss Ave. and Broadway.

One-story brick and concrete block garage, 50x112.

Owner—Name Withheld.

Architect—Chas. W. McCall, Central Bank Bldg., Oakland.

Contractor—F. A. Muller, Syndicate Bldg., Oakland.

Completing Plans. Figures to be Taken Next Week.

GARAGE Cost, \$60,000
OAKLAND, Cal. Webster Street.

Four-story reinforced concrete garage building, 140x125.

Owner—Withheld.

Architect—M. I. Diggs, 1519 Broadway Oakland.

Plans Being Prepared.

SALESROOM, ETC. Cost, \$10,000
EUREKA, Humboldt Co., Cal. Fourth and H Streets.

One-story concrete and stucco garage and salesroom, 110x60.

Owner—A. C. Noe.

Lessee—Chas. Green, Maxwell Distributor, Eureka, Cal.

Architect—Frank T. Georgeson, 4th and "E" Sts., Eureka, Cal.

Plans Nearing Completion.

GARAGE, ETC. Cost, \$60,000
FRESNO, Fresno Co., Cal. San Joaquin Street.

Two-story concrete garage and auto salesroom, 100x150.

Owner—DeVaux Motor Car Co.

Architects—Coates & Travers, Rowell Bldg., Fresno.

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GOVERNMENT WORK & SUPPLIES.

WASHINGTON, D. C.—No bids were received at the Bureau of Yards and Docks, Navy Department, Washington, for the completion of the Mare Island Structural Shop. The Clinton Constr. Co., 140 Townsend St., San Francisco, submitted the lowest bid to the Public Works Department, Mare Island, at \$491,000. For com-

plete list of bids see these reports of August 13th.

PANAMA CIRCULAR 1296.—Panama Canal, Office of the General Purchasing Officer, Washington, D. C.—Sealed proposals will be received here until September 3, 1919, under circular 1296 for furnishing iron, steel, lead, tin, wire rope, wire cloth, tacks, screws, hammers, hacksaw blades, chisels, drills, files, snaths, locks, pipe, pine fittings, leather, rubber hose, shower bath curtains, machetes, pens, manila folders, paper, lumber and millwork. For further information address A. L. FLINT, general purchasing officer.

MARE ISLAND, Cal.—The following bids were received on August 13th at Mare Island for the completion of the structural shop under Spec. No. 3719. The Clinton Construction Co., 140 Townsend Street, San Francisco, submitted the lowest bid at \$491,000.

Days	
Clinton Constr. Co.	\$491,000 200
Lange & Bergstrom, S. F.	506,453 200
Lindgren Co., S. F.	521,000 200
J. E. Parker Co., S. F.	522,732 210
Alfred H Vogt, S. F.	588,300 200

WASHINGTON, D. C.—The contract for exterior and interior painting in the U. S. Marine Hospital at the Presidio, San Francisco, Calif., has been awarded to Torney Co., 1042 Larkin street, San Francisco, at \$528.

HALL AND SOCIETY BUILDINGS.

MARTINEZ, Contra Costa Co., Cal.—The Masonic Hall Association of Richmond has filed articles of incorporation with County Clerk J. H. Wells for the purpose of financing the construction of a lodge building in Richmond. The capital stock is \$100,000.

Closing Date Changed. Bids Close August 25, 1919.

TOWN HALL. Cost, \$45,500
ANTIOCH. Third and Fourth Sts.

Two-story and basement concrete Town Hall.

Owner—Town of Antioch.

Architect—Benj. G. McDougall, Sheldon Bldg., San Francisco.

NOTE.—Bids were to have been opened on August 11th at 5 P. M.

LOS ANGELES, Cal.—Los Angeles Elks' Lodge No. 99 is contemplating the erection of a new clubhouse and lodge building. The question of a new home for the lodge has been under consideration for some time and a building committee has been appointed to consummate the project.

Leo V. Youngworth is chairman of the committee. The lodge will require a close-in location and a building to cost from \$1,000,000 to \$2,800,000.

NOTE.—Bids were to have been opened on August 11th at 5 P. M.

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HOSPITALS.

Plans Being Figured. Bids Close September 3, 1919, 10 A. M.

ALTERATIONS Cost, \$—
SAN LEANDRO, Alameda Co., Cal. County Hospital.

Alter two-story frame hospital. Owner—Alameda County.

Architect—Henry H. Meyers, Kohl Bldg., San Francisco.

PASADENA, Los Angeles Co., Cal.—A six-story addition to the Pasadena Hospital will soon be built at a cost of about \$500,000. A committee headed by David Blankenhorn will select an architect to prepare plans. Other members of the committee are Theodore Coleman, Judge G. A. Gibbs, Mrs. Geo. E. Hale, Dr. Chas. D. Lockwood, John McWilliams and John S. Cravens.

Plans Being Figured.

ADDITION Cost, \$50,000
WOODLAND, Yolo Co., Cal.
Reinforced concrete and brick addition to sanitarium.

Owner—Woodland Sanitarium.

Architect—W. H. Weeks, 75 Post St., San Francisco.

HOTELS.

Plans Being Figured.

HOTEL Cost, \$—
SANTA ANA, Orange Co., Cal. North Broadway and Birch St.
Three-story and basement Class "A" or "C" hotel building, 70 rooms, 35 bathrooms.

Owner—A syndicate of Santa Ana men. W. A. Huff, John Cubbon, H. F. Forgy, G. B. Shattuck, and A. J. Crookshank are trustees.

Architect—Myron Hunt, 1017 Hibernian Bldg., Los Angeles.

Bids will be received for both a building of Class "A" reinforced concrete construction, and for one of Class "C" construction, partly reinforced concrete and partly frame and plaster construction. Both proposals will provide for reinforced concrete up to the second floor level.

Plans Being Figured.

STORES & HOTEL Cost, \$—
LOS ANGELES, Cal. NW Eighth and Hope Streets.
Eight-story and basement Class "A" reinforced concrete stores and hotel, 55x126(154 guest rooms and 63 bath rooms).

Owner—Henry Biescar.

Architect—W. J. Saunders, Laughlin Bldg., Los Angeles, Cal.

Preliminary Sketches Prepared.

HOTEL Cost, \$200,000
CAPITOLA, Cal. Site of present Capitola Hotel.

Fireproof hotel building.

Owner—H. Alan Rispin, San Francisco.

Architect—Geo. E. McCrea, 1st National Bank Bldg., Oakland.

POWER PLANTS.

PHOENIX, Ariz.—The Council and Board of Governors of the Salt River Valley Water Users' Association have decided to build a 5000 kilowatt steam generating plant to supplement the hydro-electric plant at Roosevelt. The new plant will cost approximately \$500,000. The power plant will serve 60 wells with pumps which are being constructed by the association to lower the underground water level. Superintendent W. R. Elliott has gone to Los Angeles to make arrangements for the equipment and for financing the project. A loan will be secured to be repaid out of the earnings of the plant.

WINTHROP, Shasta Co., Cal.—Owners of the Bully Hill Mines are planning the construction of an electrolytic plant costing in the neighborhood of \$75,000. The oil floatation plant completed over a year ago at a cost of \$75,000 will be a feeder to the electrolytic plant.

LOS ANGELES, Cal.—The Board of Public Service has filed claims for the city on locations for the proposed city power plants on the South Fork of the Kern River above the Southern California Edison Co.'s great power project. E. F. Scattergood, Chief Engineer of the Power Bureau, estimates the cost of the new project at \$10,000,000. The proposed Kern River power plant No. 1 will develop 20,000 H. P. The work will be financed out of the earnings of the Power Bureau.

CHICO, Butte Co., Cal.—Improvements on the local plant of the Pacific Gas & Electric Co., recently estimated at \$30,000, will cost nearly \$40,000, according to announcement made by H. B. Heryford, local manager of the company. Heryford said the construction of an additional building added \$10,000 to the expenses.

Plans will be prepared by the Engineering Department of the Company.

PLACERVILLE, El Dorado Co., Cal.—A. C. Miller and P. E. P. Marshall, P. O. Box 92, Quincy, Cal., are making location surveys for proposed enlargements of the hydro-electric power project of the Western States Gas & Electric Company on the American River above Placerville.

RESIDENCES.

Plans Being Figured.

RESIDENCE Cost, \$20,000
PEBBLE BEACH, Monterey Co., Cal.
Two-story and basement frame and plaster residence (9 rooms and garage and 2 bathrooms.)

Owner—B. F. Mackall.

Architect—Louis M. Upton, 454 Montgomery St., San Francisco.

Working Drawings Being Prepared.

RESIDENCE Cost, \$40,000
SAN FRANCISCO. Western Addition
Two-story and basement reinforced concrete and frame residence (12 rooms, 4 bathrooms and basement garage).

Owner—Withheld.

Architect—Louis M. Upton, 454 Montgomery St., San Francisco.

Sketches Prepared.

RESIDENCE Cost, \$12,000
SAN FRANCISCO. Western Addition.
One-story and basement frame and plaster residence (7 rooms and garage).

Owner—Withheld.

Architect—Louis M. Upton, 454 Montgomery St., San Francisco.

Contract Awarded.

BUNGALOW Cost, \$8,300
SAN FRANCISCO. Westwood Park.
Frame bungalow, 9 rooms.

Owner—W. D. Blair.

Architect—Miss Ida McCain, 318 Kearny St., San Francisco.

Contractor—Phillip Grell, 90 Haight St., San Francisco.

Sub-Figures Being Taken. Heating and Plumbing Contracts Awarded
RESIDENCE Cost, \$22,000
SAN FRANCISCO. Presidio Terrace.
Two-story and basement frame and plaster residence.

Owner—M. H. Salz, San Mateo.

Architect—Lewis P. Hobart, Crocker Bldg., San Francisco.

Contractor—Marcus Marcussen, 201 Sansome St., San Francisco.

Mr. Marcussen has awarded the following contracts:

Heating to Scott Co.

Plumbing to F. W. Snook & Son.

Figures Being Taken.

RESIDENCE Cost, \$30,000
HILLSBOROUGH, San Mateo Co., Cal.
Two-story and basement frame residence.

Owner—E. B. Breeden.

Architects—Bakewell & Brown, 251 Kearny St., San Francisco.

Plans Being Prepared.

RESIDENCE, ETC. Cost, approximately, \$250,000.
SAN RAFAEL, Marin Co., Cal. Petaluma Avenue, 38 acres.
Two-story large concrete, steel and tile residence, swimming tanks, landscaping, etc.

Owner—Mr. and Mrs. Leon F. Douglass, Petaluma Ave., San Rafael.

Architects—W. T. Karcher & Livingston Smith of Philadelphia and N. W. Sexton, Merchants National Bank Bldg., San Francisco.

Mr. Sexton is working on sketches to forward to the Eastern architects. It is planned to have work start about March, 1920.

Plans Being Figured.

RESIDENCE Cost, \$10,000
HILLSBOROUGH, San Mateo Co., Cal.
Two-story frame and plaster residence (8 rooms).
Owner—Withheld.
Architect—Chas. H. Skidmore, 616 Call Bldg., San Francisco.

Completing Plans. Ready For Figures in About a Week.

RESIDENCE Cost, \$12,000
SAN FRANCISCO. Merritt Terrace.
Two-story frame residence (10 rooms plaster exterior).
Owner—G. M. Merritt.
Architect—Lewis P. Hobart, Crocker Bldg., San Francisco.
(28349) 1st report June 28, 1919.

Contract Awarded.

RESIDENCE Cost, \$39,400
LOS ANGELES. Corner Fifth Street and Plymouth Blvd.

Two-story and basement frame residence (14 rooms, 4 bathrooms, etc.)

Owner—Henry W. Louis, 1716 South Los Angeles St., Los Angeles.

Architect and Contractor—The Milwaukee Bldg. Co., 317 Wright & Callender Bldg., Los Angeles.
201

Plans Being Figured.

RESIDENCE Cost, \$—
SAN FRANCISCO. N Green St. bet. Broderick and Divisadero Sts.
Two-story and basement frame and plaster residence and garage.

Owner—Alfred Hanfny.

Architects—Ward & Blohme, Alaska Commercial Bldg., San Francisco.

To be Done by Days Work.

RESIDENCE Cost, \$—
 GLEN ELLEN, Sonoma Co., Cal.
 Two-story fireproof residence.
 Owner—Mrs Jack London, Glen Ellen
 Architect—Harry Merritt, 1801 Van
 Ness Ave., San Francisco.
 Sub-figures are being taken.

SCHOOLS.

SAN JOAQUIN, Fresno Co., Cal.—
 The following bids were received by
 the Trustees of the San Joaquin
 School District for the construction
 of the new school building. R. D.
 Gould awarded the contract.

R. D. Gould.....\$16,189
 D. A. Evans.....17,896
 Frederickson & Shannon.....18,300

The building will contain two class
 rooms and auditorium. Plans were
 prepared by Architects Swartz and
 Swartz, Fresno, Cal.

Contract Awarded For Madera High School Gymnasium.

MADERO, Madero Co., Cal.—From
 plans prepared by Architects Swartz
 & Swartz, Fresno, for the new gym-
 nasium building to be erected for the
 Madera Union High School District
 the following bids were received:
 W. N. Brown (awarded).....\$14,381
 W. R. Brown.....15,695
 D. A. Evans.....17,000

MARYSVILLE, Yuba Co., Cal.—Bids
 received by the Trustees of the Cordua
 School District for the Construction
 of a concrete school building are over
 the estimate. Bonds of \$12,000 were
 voted to finance construction of the
 building which will contain two
 rooms. Bids received by the Board
 follow:

W. R. Campbell, Sacramento, concrete,
 \$13,350; frame, \$12,400.

John O. Palm (address not given),
 Frame, \$10,993; no bid for concrete
 construction.

New bids will probably be called
 from revised plans by Architect
 Chester Cole, Chico, Cal.

MERCED, Merced Co., Cal.—Until
 3 P. M., of September 2, 1919, bids will
 be received by the Board of Trustees
 of the Merced Union High School Dis-
 trict for the erection of new high
 school buildings at Merced in accordance
 with plans and specifications
 prepared by Architects Allison & Allison,
 1405 Hibernian Bldg. The au-
 ditorium will be omitted for the present
 and a special election called to
 vote \$50,000 for the erection of the
 auditorium section. Bids will be re-
 ceived on segregated contracts but
 contracts No. 1 and No. 2, as previously
 advertised, including excavating,
 concrete, masonry, terra cotta,
 and carpenter work, will be combined
 in one contract.

Plans Being Figured. Bids Close Sept.
 10, 1919, 4:15 P. M.

ADDITION Cost, \$—
 BERKELEY, Alameda Co., Cal. Will-
 ard and Burbank Schools.

Two-story frame addition to Burbank
 School and a one-story frame ad-
 dition to the Willard School.

Owner—City of Berkeley.
 Architects—Jas. W. Plachek, 2014
 Shattuck Ave., Berkeley (Willard
 School) and W. H. Ratcliff Jr., 1st
 National Bank Bldg., Berkeley

(Burbank School).

Plans may be obtained from the Ar-
 chitects' offices on a deposit of \$10.
 Figures will be taken on the follow-
 ing segregated contracts:

1. Excavating, grading, concrete and brick work.
2. Carpentry, glass and glazing, sheet metal and iron work.
3. Plastering.
4. Painting.
5. Plumbing.
6. Tile roof.
7. The work.
8. Electrical work.
9. Heating and ventilating.

Plans Being Figured. Bids Close Sept.
 2, 1919, 4:15 P. M.

ADDITION Cost, \$—

BERKELEY, Alameda Co., Cal. Edi-
 son School and John Muir School
 One-story brick addition to Edison
 School and a frame addition to
 the John Muir School.

Owner—City of Berkeley.
 Architects—Jas. W. Plachek, 2014
 Ave., Berkeley (John Muir School)
 and W. H. Ratcliff Jr., 1st Na-
 tional Bank Bldg., Berkeley (Edi-
 son School).

Plans may be obtained from the Ar-
 chitects' offices on a deposit of \$10.
 Figures will be taken on the follow-
 ing segregated contracts:

1. Excavating, grading, concrete and brick work.
2. Carpentry, glass and glazing, sheet metal and iron work.
3. Plastering.
4. Painting.
5. Plumbing.
6. Tile roof.
7. Tile work.
8. Electrical work.
9. Heating and ventilating.

Bids to be Called Within Next Few
 Days.

GYMNASIUM BLDG. Cost, \$—

MT. DIABLO, Contra Costa Co., Cal.
 Owner—Mt. Diablo Union High School
 District. E. Eicher, Clerk, Con-
 cord, Cal.

Architect—Wm. J. Wright, Bank of
 Italy Bldg., Stockton, Cal.

Bids To Be Called Next Month.

SCHOOL Cost, \$40,000

YREKA, Cal. Yreka Grammar School
 One-story brick and concrete gram-
 mar school (8 rooms and an audi-
 torium).

Owner—Yreka School District.
 Architect—Henry C. Smith, Humboldt
 Bank Bldg., San Francisco.

Contract Awarded.

SCHOOL Cost, \$22,430

MENDOTA, Fresno Co., Cal.

One-story brick, tile and stucco school
 (3 rooms and an auditorium).

Owner—Mendota School District.
 Architect—Ernest J. Kump, Rowell
 Bldg., Fresno.

Contractor—Jas. L. Daly, Fresno.
 (28702) 1st report July 18, 1919

Plans Being Prepared.

SCHOOLS Cost, \$12,000

SAUCELITO, Tulare Co., Cal.

School building.

Owner—Saucelito School District.

Architect—M. P. Renfro, Porterville.

Plans Being Prepared.

BUNGALOWS Cost, \$5,000 to \$10,-
 000 each.

SAN FRANCISCO. Westwood Park.
 Six frame bungalows.

Owner—H. C. Bauman, 251 Kearny
 St., San Francisco.

Architect—H. C. Bauman, 251 Kearny
 St., San Francisco.

BIDS WANTED FOR PLASTERING AND ELECTRIC WORK.

SAN FRANCISCO.—Architect W. D.
 Shea, 244 Kearny St., is taking figures
 for plastering and electric work in
 connection with the construction of a
 two-story reinforced concrete school
 building at 14th avenue and I street,
 for St. Ann's Parish.

Preliminary Plans Approved.
 SCHOOL BLDGS. Cost, \$250,000

SANTA ROSA, Sonoma Co., Cal.

Two-story brick and concrete school
 buildings (High School and Mem-
 orial Hall and a grammar
 school).

Owner—City of Santa Rosa.

Architect—W. H. Weeks, 75 Post St.,
 San Francisco.

A bond election will be held in the
 near future.

COVINA Los Angeles Co., Cal.—J.

F. Atkinson, 1118 Story Bldg., sub-
 mitted the lowest bid on the general
 contract at \$26,600 for the erection of
 a 1-story grade school building at
 Covina, plans for which were pre-
 pared by Architect John C. Austin,
 1125 Baker-Detwiler Bldg. J. Hokom,
 4312 Moneta Ave., Los Angeles, sub-
 mitted the lowest bid at \$2,687 on the
 plumbing; the Alhambra Wall Paper
 & Paint Co., Alhambra, the lowest bid
 at \$2175 on the painting and tinting;
 the Cole Mfg. Co. submitted the only
 bid at \$744.80 on the gas heating sys-
 tem, and Winder & Jones of Covina,
 submitted the only bid at \$947 on the
 electric wiring. The bids were taken
 under advisement.

Plans Being Figured. Bids Close
 August 31, 1919.

CAPAY, Yolo Co., Cal.

One-story hollow tile school.

Owner—Capay School District.

Architect—W. H. Weeks, 75 Post St.,
 San Francisco.

Plans Being Prepared.

SCHOOL Cost, \$100,000

CLOVIS, Cal.

Fireproof school.

Owner—Clovis Union Grammar

School.

Architect—W. H. Weeks, 75 Post St.,

San Francisco.

The bond election for \$100,000 on

August 15th, carried.

Plans to be Prepared.

SCHOOL Cost, \$90,000

ANTIOCH, Cal.

Fireproof school (type not decided).

Owner—City of Antioch.

Architect—W. H. Weeks, 75 Post St.,

San Francisco.

MODESTO, Stanislaus Co., Cal.—

The City Board of Education has

awarded a contract to Hoffman &

Rhein for the installation of a heating

plant in the Seventeenth street school

on their bid of \$3,850.

HANFORD, Kings Co., Cal.—The Trustees of the Delta View School District, S. M. Ingram, Clerk, have awarded a contract to U. C. Bock of Hanford at \$5,033 for remodeling the present school building. The only other bidder was Carl Nelson of Hanford at \$5,190. The work will cover the installation of a sanitary air pressure water system, septic tank, erection of pump house, electric work, etc.

STORES AND OFFICES.

Plans Being Figured.
ALTERATIONS Cost, \$5,000
SAN FRANCISCO. Front and Halleck Streets.

Alter one-story and basement brick store building (change partitions, new hardwood partitions, etc.)

Owner—Withheld.
Architect—W. H. Crim, 425 Kearny St., San Francisco.

Contract Awarded.
OFFICE BLDG. Cost, \$—
HONOLULU, T. H. Bishop, Merchant, Alaska and Queen Sts.
Four-story reinforced concrete office and store building.

Owner—Theo. H. Davies & Co., Ltd.
Architect—Louis C. Mullgardt, Chronicle Bldg., San Francisco.

Contractor—Pacific Constr. Co., Honolulu, T. H.
Terra cotta awarded to Gladding, McBean & Co., Crocker Bldg., San Francisco.

Plans Being Figured.
RICHMOND, Contra Costa Co., Cal.
Macdonald Avenue.

STORE Cost, \$13,000
One-story and basement reinforced concrete store.

Owner—Withheld.
Architect—W. H. Crim, 425 Kearny St., San Francisco.

Figures are being taken for a general contract.

Plans Being Prepared.
DEPT. STORE. Cost, —
SAN DIEGO, Cal. 5st St and Broadway.

Eight-story Class "A" reinforced concrete department store building, 100x100.

Owner—The Holzwasser, Inc.
Architect—John T. Vawter and Emmor B. Weaver, associated, 500 26th St., San Diego, Calif.

There will be a restaurant and roof garden on the top story. Excavation will start about September 5. Plans will be completed about November 1.

Contract Awarded.
FURNITURE STORE Cost, \$50,000
MODESTO, Stanislaus Co., Cal. 11th Street bet. I and J Sts.

Three-story and basement brick furniture store, 50x130.

Owner—George Perley, For Johnston-Wherry Furniture Co.
Architect and Contractor—George J. Ulrich, 419 Sycamore St., Modesto

Plans Being Figured.
OFFICE BLDG. Cost, \$60,000
SAN FRANCISCO. N California and Front Streets.

Three-story and basement brick office building, 98½x94 with 44' L (stone front).

Owner—Geo. E. Billings.

Architect—W. H. Ratcliff Jr., 1st National Bank Bldg., Berkeley.

NOTE:—Figures are being taken for a general contract.

Contract Awarded.
ALTERATIONS Cost, \$—
SAN FRANCISCO. California St.

Alter office building.
Owner—Withheld.

Architect—C. W. McCall, Central Bk. Bldg., Oakland.

Mr. McCall is taking figures for altering the upper floors of this building by changing partitions, tearing out Oregon pine trim and replacing with oak.

P. J. Lynch, 110 Jessie St., has been awarded a contract for altering the ground floor and is among the contractors figuring the balance of the work.

Plans Being Prepared.
AUTO SALES ROOM Cost, \$40,000
SAN FRANCISCO. NE Van Ness and Pacific Avenues.

One-story reinforced concrete auto sales room.

Owner—M. L. Levy.
Architect—Alfred Henry Jacobs, 110 Sutter St., San Francisco.

THEATRES.

Plans Being Prepared.
THEATRE Cost, \$—
ANAHEIM, Orange Co., Cal.

Brick motion picture theatre, 75x100. 900 seating capacity.

Owner—Hugo Strodhof.
Lessee—G. T. Ingram.
Architect—E. J. Borgmeyer, 317 Stimson Bldg., Los Angeles.

Contract Awarded on a Percentage Basis.

THEATRE. Cost, \$75,000
EUREKA, Humboldt Co., Cal. 4th and "G" Streets.

Reinforced concrete theatre building, 70x120 (seating capacity 1200).

Owner—Richard Sweasey, 402 "G" St., Eureka.

Architect—Reid Bros., 105 Montgomery St., San Francisco.

Lessee—Ackerman & Harris (Hippodrome Circuit).

Contractor A. Anderson of Eureka has been awarded the contract on a percentage basis and will take sub-figures. The building occupying the site is now being torn down.

Contract Awarded.
THEATRE & STORES. Cost, \$40,000
PITTSBURG, Contra Costa Co., Calif. Railroad street.

Two-story brick theatre and 4 stores.

Owner—E. Enea & Bros., Pittsburg.
Architect—A. W. Cornelius, Merchants National Bank Bldg., San Francisco.

Contractor—J. F. Shepherd, 1019 Venetial Way, Stockton, Calif.

(24547) 1st report Sept. 23, 1918; 5th July 11, 1919.

LOS ANGELES, Cal.—The following contracts have been let by Earl B. Newcomb, engineer and superintendent of construction of the new Pantages Theatre building in course of erection on the northwest corner of Seventh and Hill streets. The plumbing, gas piping, heating and ventilating to Arthur Hess, Baker-Detwiler Bldg.; the electric wiring to the Gold-

en State Electric Co., 715 West 5th street; the exterior terra cotta to Gladding, McBean & Co.; the sand and gravel to the Los Angeles Sand and Gravel Co.; automatic sprink system to the Pacific Fire Extinguisher Co.

Plans Being Figured.
THEATRE Cost, \$60,
VALLEJO, Solano Co., Cal.

One-story steel frame and hollow theatre building.

Owner—Bell Amusement Co.
Architect—Bernard J. Joseph, (Bldg., San Francisco.

Engineering.

BONDS.

ARCADIA, Los Angeles Co., Cal. Bonds to the amount of \$150,000 voted to increase and extend the water supply. Additional wells will be drilled and another reservoir 1,000,000 gallons capacity will be constructed. Water will be pumped from the existing reservoir into the one. H. S. Gierlich, City Engineer will have charge of the new work. Willis S. Jones of Claremont is consulting engineer.

BAKERSFIELD, Kern Co., Cal. The Oldale Water District No. 1 voted bonds of \$40,000 to finance construction of a water works. The system will be constructed under the pervision of County Surveyor A. Stegeman. A permanent steel system will be laid.

FRESNO, Fresno Co., Cal.—An election will be held in municipal improvement district No. 1, North Fresno, on September 10, to vote on suing \$200,000 bonds for constructing a sewer system. A previous issue was declared invalid after it had been taken and a contract awarded.

PLACERVILLE, El Dorado Co., Cal.—D. E. Henry, senior highway engineer, has completed an inspection of the roads in the proposed Marshall boulevard district. He for the district to include 55.45 miles road, with an additional 4.75 miles connect Placerville with the boulevard from Chili bar bridge and from El Flume to the city limits.

Engineer Henry will submit estimates of the cost and recommendations as to the best type of construction that can be undertaken with \$150,000 proposed bond issue.

SAN LUIS OBISPO, San Luis Obispo Co., Cal.—The County Supervisors have set September 23rd as the date to vote on the question of issuing bonds of \$1,500,000 with which to finance the construction of a county highway system. If the issue carries the proceeds of the sale of the bonds will be expended as follows: \$115,000 for the bridge across the San Luis Obispo River at San Miguel.

\$3,000 for the road from Paso Robles to Estrella.

\$5,000 for the road from Paso Robles to Creston.

\$50,000 for the highway through city of Paso Robles.

\$0,000 for the Shandon bridge.
 \$50,000 for the highway north-
 ly to San Luis Obispo to Cambria, and
 such further as funds will permit.
 \$5,000 for the highway through the
 city of San Luis Obispo.
 \$5,000 for the Courthouse site.
 \$5,000 for the Santa Maria bridge.
 \$18,000 for the roads from Oceano
 toroya Grande, from Huasna to
 Arroyo Grande, Nipomo to Guadalupe,
 from House to Avila, and from San
 Luis Obispo to Edna.
 \$5,000 for the highway through
 the city of Arroyo Grande.
 \$9,000 for the road from Santa
 Maria to the Carls Plains.
 \$3,000 for the road from the town
 of Templeton west.
 \$9,000 for the road from Atasca-
 ran west to the Pacific Ocean.

PARADISE, Butte Co., Cal.—The
 directors of the Paradise Irrigation
 district are planning a bond issue of
 \$40,000 with which to make improve-
 ments on the present system. It is
 proposed to put in a thirty-six inch
 pipe for the main canal.

REDDING, Shasta Co., Cal.—Prelim-
 inary steps are underway to call
 for bond issue for \$750,000 with which
 to build a permanent system of good
 water.

DAMS AND HARBOR WORK.

EUREKA, Humboldt Co., Cal.—
 received by the County Super-
 visors for the construction of the
 Tripson Crossing bridge have been
 rejected by the County Supervisors as
 being too high. The bids were:
 H. H. H. & Kelly, \$12,040.
 Englehart Paving & Constr. Co.,
 \$10,100.
 It is probable that new bids will be
 called.

RED BLUFF, Tehama Co., Cal.—
 The County Supervisors have directed
 Messrs. & Day, Architects and En-
 gineers, Phelan Bldg., San Francisco,
 to prepare plans and specifications
 for a seven-concrete and steel
 bridge to be constructed in Tehama
 county, they being low bidders at two
 per cent, seven-eighths per cent, provided
 they were given the contract on all
 the work, or three per cent other-
 wise.

Other bidders were de Waard Bros.
 of San Diego and Redding, two and
 one-fourths per cent; A. V. Saph-
 ire, one per cent, and John B. Leonard
 two per cent.
 The estimated cost of the bridges
 is about \$92,000.

EUREKA, Humboldt Co., Cal.—
 County Surveyor Arthur J. Logan has
 been instructed by the County Super-
 visors to prepare plans and specifica-
 tions for a bridge across the Mattole
 river at White Thorn, located be-
 tween Briceiland and Shelter Cove, the
 distance to cost approximately \$10,000.

Plans were also ordered prepared
 for a structure to span Camp Creek,
 which crosses the county road be-
 tween the Saltstore place and Orleans
 place.
 The County Clerk has been in-
 structed to call for bids on completion
 of the plans.

YUBA CITY, Sutter Co., Cal.—Bids
 have been ordered received by the
 County Supervisors up to September
 2nd for the construction of bridges
 that will span Auburn ravine, Coon
 creek and Ping creek, respectively.
 Plans may be had from the County
 Clerk at Yuba City.

SAN ANDREAS, Calaveras Co., Cal.
 —Bids will be received by the County
 Supervisors, A. W. Poe, County Clerk,
 up to September 2nd, 1 p. m., for fur-
 nishing all material and labor for the
 construction complete of a reinforced
 concrete bridge at O'Neill's Crossing,
 on the Bellota Valley Springs road.
 Plans may be had from the County
 Clerk at San Andreas.

FRESNO, Fresno Co., Cal.—The
 County Supervisors have awarded a
 contract to J. E. Mitchell, 206 Strau-
 ther St., Fresno, at \$21.75 per cubic
 yard for concrete for the construction
 of the Gould Ditch bridge.
 The bid for lumber to be used in
 connection with the work was \$90 per
 thousand feet.

MERCED, Merced Co., Cal.—Bids
 will be received by the County Super-
 visors up to September 3rd, 10 A. M.,
 for the construction of a reinforced
 concrete bridge across the Merced
 river to be known as "Milliken Bridge
 No. 64B" and located on the Milliken
 Road in Road District No. 4.
 Plans may be had from the County
 Clerk at Merced.

WILLOWS, Glenn Co., Cal.—The
 contracts for the following bridges
 have been awarded by the County Su-
 pervisors to F. H. Neilson, 8th St., Or-
 land, Glenn County:
 Willows creek bridge, District No.
 4, \$7,200; Salt Creek bridges, District
 No. 3, \$3,160; Westberg bridge, Dist.
 No. 5, \$6,800.

The contract for the Gravel Pit
 bridge was awarded to W. R. Zumwalt
 at \$2,100.

WILLOWS, Glenn Co., Cal.—Bids
 received by the County Supervisors
 for the construction of the Millsaps
 bridge have been rejected. The work
 was ordered done under the super-
 vision of Joe Sale, County Supervisor
 in that district.

EUREKA, Humboldt Co., Cal.—Pad-
 gett & Kelly have been awarded a
 contract by the County Supervisors
 for the construction of the Van Duzen
 bridge on their bid of \$29,858. Other
 bids were:

Englehart Paving & Construction
 Co., \$31,200; Mercer-Fraser Co., \$33,-
 400.

D. C. Farnell was awarded the con-
 tract for the construction of a new
 span in the present bridge across the
 North Fork of Mad River at Korbel
 at \$1,661. Other bids were:

Padgett & Kelly, \$1,960; F. G. Ber-
 rand, \$2,025.

WILLOWS, Glenn Co., Cal.—Bids
 received by the County Supervisors
 for the construction of a bridge over
 Stony Creek are as follows:
 The Cotton Macaulay Co., \$24,893
 F. H. Neilson, 23,420
 Contract awarded to F. H. Neilson,
 8th St., Orland.

OROVILLE, Butte Co., Cal.—Engi-
 neers of the Pacific Gas & Electric
 Co. have submitted a favorable report
 for the construction of the proposed
 reservoir in Concow Valley, according
 to Wm. Boucher, Manager of the
 United Chamber of Commerce of Oro-
 ville. The reservoir will have a ca-
 pacity with sufficient water to irrigate
 20,000 acres.

SAN LEANDRO, Alameda Co., Cal.
 —Owing to the dangerous conditions
 for pedestrians in crossing the elec-
 tric car rails on East Fourteenth
 street in approaching the concrete
 bridge over the San Leandro creek,
 the City Trustees of San Leandro have
 decided to seek financial aid from the
 County Supervisors in widening the
 bridge to the full width of East
 Fourteenth street, as the cost of the
 improvement is too great for the city
 of San Leandro to undertake.

J. J. Gill is City Clerk of San Le-
 andro.

SAN FRANCISCO—The Montague
 Pipe & Steel Co., Hobart Bldg., San
 Francisco, has been awarded a con-
 tract by the Board of Public Works
 for furnishing and delivering pipe
 under Hetch-Hetchy Contract No. 72.
 The Works Board has requested the
 Supervisors to appropriate \$38,102.10
 to cover the cost of the contract.

MONTEREY, Monterey Co., Cal.—
 The City Council is considering the
 appointment of Fred H. Tibbitts,
 Alaska Commercial Bldg., San Fran-
 cisco, to prepare surveys for im-
 provements on the Monterey harbor.
 Other engineers who are seeking
 appointments are: Howard Cozzens
 and Lou G. Hare.

YUBA CITY, Sutter Co., Cal.—The
 County Supervisors have rejected the
 only bid received for the construction
 of the Mawson bridge over Butte
 Slough, near West Butte, this being
 the bid of the Cotton-Macaulay Co., 16
 California St., San Francisco, at \$104,-
 300.

It was decided to construct the
 bridge by day labor under the super-
 vision of County Surveyor Edward
 Von Geldern and Engineer Erle Cope,
 First National Bank Bldg., San Fran-
 cisco.

OAKLAND, Cal.—Bids will be re-
 ceived by the City Council, L. W.
 Cummings, City Clerk, up to 12 M.,
 August 14th, for furnishing labor and
 material for dry docking, cleaning,
 painting and repairing the Dredger
 "City of Oakland No. 2," and the
 anchor and cable barges belonging to
 same.

NAPA, Napa Co., Cal.—At the last
 meeting of the County Supervisors the
 County Engineer was instructed to
 make surveys and prepare plans and
 specifications for grading that portion
 of the county road leading from Ruth-
 erford to Pope valley, from the Din-
 ning place to the Glauque bridge
 across Sage creek, and from Dr. John
 F. Robinson's place to the road lead-
 ing down through Wooden valley.

Plans were also ordered prepared
 for a reinforced concrete bridge
 across Chiles Creek near the Chiles
 road.

NAPA. Napa Co., Cal.—The following bids were received by the County Supervisors and taken under advisement for the construction of the Walnut Creek Bridge:

C. H. Gildersleeve, Napa, \$1620; Simon Lenz, St. Helena, \$1996; Frank Gaggero, Napa, \$1675; Harry Thorsen, St. Helena, \$985.

Bids were received for furnishing the county with 5,000 barrels of cement from the following firms:

Napa Lumber Co., Pacific Portland Cement Co., Frank G. Noyes Co. and H. C. Thompson. The bidders all submitted identically the same figures: F. o. b. at Napa, \$3.03; at Yountville, \$3.11; at St. Helena, \$3.15, and at Calistoga, \$3.17.

IRRIGATION PROJECTS.

MARTINEZ, Contra Costa Co., Cal.—Phillip Schuyler, Consulting Engineer and an expert on irrigation, is in Martinez preparing data on the proposed water system for the cities in the eastern and central sections of Contra Costa County.

TURLOCK, Stanislaus Co., Cal.—The construction department of the Turlock Irrigation District is preparing to spend about a quarter of a million dollars of the district's money in extensions and repairs during the off-season, or period when the water is out of the ditches.

The work will include:

Lining about six miles of canal with 675,000 square feet of concrete at a cost of \$95,000; digging about fifteen miles of drainage ditches at a cost of \$104,000; clearing out the main laterals and putting in new structures, falls, etc., at a cost of \$26,000; enlarging a section of the main canal which takes the water out of the river below the La Grange Dam, \$15,000.

AUBURN, Placer Co., Cal.—A. J. Gladding of Lincoln, J. H. Herring of Roseville, J. A. Teagarden, J. A. Livingston and E. O. Amundsen have been named a committee by the Placer farm bureau to ascertain the sentiment of orchardists and farmers on the proposition of organizing an irrigation district to include all the irrigable land in the county.

MODESTO, Stanislaus Co., Cal.—The Modesto Irrigation district directors have adopted Engineer Percy F. Jones' revised report of the cost of improvements to be included in the coming bond election and will forward the same to the State Irrigation District Bond Commission at Sacramento.

The report calls for an expenditure of \$1,789,700 divided as follows: Don Pedro dam, \$1,182,700; power development \$192,000; transmission line and sub-station \$90,000; enlarging upper main canal \$150,000 and extension of the drainage system \$175,000. Increases are noted in the canal development and the drainage expenses, over the first report submitted last week.

Jones submitted an itemized report of the expenses for the transmission line, which will be 30 miles long and carry 44,000 volt of power. The expense will be as follows:

Poles and other equipment \$16,473; labor on same, \$7980; 546,000 feet of wire, \$19,110; labor stringing same, \$4,368; supervising work, \$473; sub-station, \$2,000; transformers, \$32,400; total, \$87,124.

ROSEVILLE, Placer Co., Cal.—The Directors of the County Farm Bureau have called a meeting in Auburn for the purpose of hearing reports of County Surveyor Barieau and United States Engineer Frank Adams on the proposed new irrigation district for the northern and western sections of the county.

Barieau will submit a map of the country to be served showing the possible water storage facilities and routes of laterals. Adams will talk on irrigation matters in general.

TERRA BELLA, Tulare Co., Cal.—Supt. Althouse of the Terra Bella Irrigation District has been instructed to contract for the making of sufficient 8-in. concrete pipe for the second unit of the infiltration gallery. Extensions to the distributing system are being considered. Supt. Althouse has been instructed to advertise for bids for drilling two more wells north of Terra Bella. Stephen E. Keiffer of San Francisco, is consulting engineer.

MACHINERY.

MARTINEZ, Contra Costa Co., Cal.—The County Supervisors have authorized R. R. Arnold, County Surveyor, to purchase for use on the county highways one Denby Motor Truck and one wagon loader, the latter to cost \$1,750. J. H. Wells is County Clerk.

SAN ANDREAS, Calaveras Co., Cal.—Bids will be received by the Calaveras County Supervisors up to September 2nd, 1:30 p. m., for furnishing and delivering the following to the County Hospital: One reversible wooden washer, 30x48 inches, one drying tumbler, 30x40 inches, one 24-in. extractor, one mangle or ironer for sheets and flat work, 54-inch.

Bidders may also submit bids on second-hand mangle or ironer in 54-inch or 100-inch sizes.

SEWERS, STREET WORK, ROADS AND WATER SYSTEMS.

PAKERSFIELD, Kern Co., Cal.—Until 5 P. M., August 35, bids will be received by City Clerk V. Vanriper, for constructing 8 inch and 6 inch vitrified, salt glazed pipe sewers in a portion of Olander Ave. The work will be done under the Improvement Act of 1911.

GRASS VALLEY, Nevada Co., Cal.—The City Trustees are considering the paving of the line of the State Highway lateral across the town site. The street committee was instructed to secure more data regarding the improvement.

LOS ANGELES, Los Angeles Co., Cal.—Geo. H. Oswald, O. T. Johnson Bldg., was awarded the contract at \$44,033.76 for the improvement of Normandie Ave., between Vernon Ave. and Fifty-fourth St. Other bids received by the Board of Public Works were: Bryant & Austin, Inc., \$46,450.

76; Fairchild-Gilmore-Wilton Co., \$48,214.04; George R. Curtis, \$48,881.02.

SANTA ANA, Orange Co., Cal.—Until 5 p. m., August 25, bids will be received by City Clerk E. L. Vegely, for improving the west half of Maple St. between First St. and Walnut St., adjoining the Roosevelt School, by grading and paving with concrete base and asphalt surface; also for improving Grand Ave. between Fourth St. and Santa Clara Ave. Plans and specifications may be obtained from the City Engineer. Certified check for \$5% required.

MARTINEZ, Contra Costa Co., Cal.—Bids will be received by the County Supervisors up to August 25th, 11 A. M., for the construction of Division No. 14 of the county highway system, being that portion between Division No. 8 near the east $\frac{1}{4}$ corner of Sec. 25, and about 1 mile east of Oakley, and runs to the town of Knightsen, a distance of 3.19 miles.

Plans and further information may be had from J. H. Wells, County Clerk at Martinez.

EUREKA, Humboldt Co., Cal.—The City Attorney has been instructed to prepare a resolution of intention providing for the opening and grading of Fifth street to Broadway.

CLOVIS, Fresno Co., Cal.—The City Trustees have decided to use an asphalt concrete base with bitulithic top dressing on the several streets to be paved in the near future.

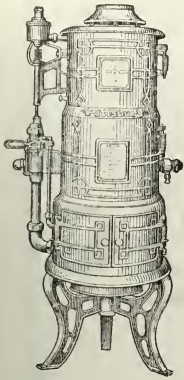
In addition to the work formerly planned City Engineer Jensen has been instructed to prepare plans for the improvement of an additional half block beginning at Fifth street and running to the flume ditch on Pollasky avenue.

FORTUNA, Humboldt Co., Cal.—J. H. and L. Jones submitted the only bid to the City Trustees for the construction of the storm sewer on Lower C street at \$3.94 per foot.

The matter of awarding a contract was laid over for one week.

SAN DIEGO, Cal.—Fairchild-Gilmore-Wilton Co., Pacific Electric Bldg., Los Angeles, submitted the lowest bid at \$96,387.45 for the improvement of Morena Boulevard and Linda avenue in the City of San Diego, involving 343,424 sq. ft. paving of 1-3-6 concrete base with $\frac{1}{2}$ -in. Warrenite surface; 8,169 cu. yds. excavation and 1,901 cu. yds. embankment in roadway, and 4,940.6 cu. yds. excavation and 4,122.3 cu. yds. embankment in the berms; 568 lin. ft. 12-in., 232 lin. ft. 18-in., 6 lin. ft. 24-in., 32 lin. ft. 36-in. cement pipe; one triple 5-ft. 6-in. by 8-ft. box culvert, 30 ft. long; one 3 ft. by 4 ft. box culvert, 47 ft. long. This is the last link connecting up the coast highway through La Jolla on San Diego to Los Angeles route.

SACRAMENTO, Cal.—Bids received by the San Joaquin County Supervisors for the improvement of the Jackson road from Perkins to the Concrete highway on the Jackson road, a distance of 6 miles, were rejected. Bids were submitted by the



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San Francisco

Pacific States Constr. Co., \$1.13 per sq. yd., and the Clark & Henery Construction Co.

The Clark & Henery Constr. Co. was the only bidder for a concrete stretch on the Winding Way road from the cement highway to Minnesota avenue in Fair Oaks.

Their bids on both projects were 18½ cents and 18.9 cents per sq. ft. The bids were rejected.

SANTA BARBARA, Cal.—J. P. Donahue, of Santa Barbara, was awarded the contract at \$9,722.42 for improving San Andreas St. between Canyon Perdido and Figueroa St., by grading and paving with 4-in. concrete base and 1½-in. Warrenite surface and constructing cement curb, gutters and driveways and 6-in. vitrified pipe sewer. Ira Hodson of Santa Barbara, was awarded the contract at \$4,939 for improving Quarantina St. between Victoria and Sola Sts., by grading and paving with 5 in. of concrete and constructing cement curbs, gutters and 6-in. vitrified pipe sewer connection. No other bid was received.

OAKLAND, Cal.—John Geary's Sons have been awarded a contract by the City Council for the construction of an 8" vitrified pipe sewer in Favor street from 73rd avenue to a point 59½ feet northwest including the construction of Y branches and brick manholes.

The Council has awarded a contract to Hutchinson Co., 444 17th St., Oakland, for the improvement of 38th avenue between E-14th street and the California Railway right-of-way. The work covers grading, concrete curbing and gutters, corrugated iron and concrete culverts and the laying of an oil macadam pavement.

REDDING, Shasta Co., Cal.—Bids were received from the following firms for the paving and guttering of Market street:

Chico Contracting Co., Clark & Henery Constr. Co., Teichert & Son, Federal Constr. Co., and F. A. Zimmermann, who put up no bond.

According to City Engineer Rolison the Chico Contracting Co. of Chico is low and will probably be awarded the contract.

SOUTH SAN FRANCISCO, San Mateo Co., Cal.—The following bids were received by the City Clerk of South San Francisco for improving Swift Avenue. The Raish Improvement Co., 46 Kearny St., San Francisco, was awarded the contract at approximately \$24,300.

Raish Imp. Co., (1) grading, 95c. cu. yd.; (2) asphalt paving, 21c. sq. ft.; (3) corrugated culverts, \$3.00 per lin. ft.

Fay Improvement Co., San Francisco, (1) 94¢; (2) \$.25.7; (3) \$2.49,

Blanchard, Crocker & Howell, San Francisco (1) 85¢; (2) 24¢; (3) \$3.00. The Blanchard, Crocker & Howell Co., 52 Second St., San Francisco, were awarded the contract for paving the grammar school yard for which bids were opened August 9th.

The Fay Improvement Co., San Francisco, has the contract and work has been started for improving certain streets in the High School Park addition.

SAN LEANDRO, Alameda Co., Cal.—Bids will be received by the City Board of Trustees up to September 9th for the macadamizing of Parrott street. Plans may be had from J. J. Gill, City Clerk of San Leandro.

SAN LEANDRO, Alameda Co., Cal.—The City Trustees have instructed City Engineer R. H. Goodwin to prepare plans and specifications for a storm sewer along Alvarado street from Saunders to the creek.

SAN DIEGO, Cal.—Bids for erecting the new freight house for the San Diego & Arizona Railway Co. on Thirteenth street, will be received within the next 10 days, according to General Manager D. W. Pontius. The building will be two stories, 200 feet long, reinforced concrete construction. The second floor will be used for offices.

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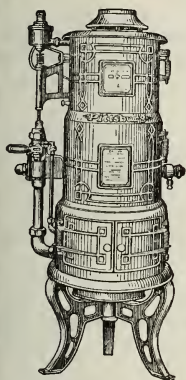
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Committee Meeting Every Friday, 7:30 P. M. at Chapter Office.

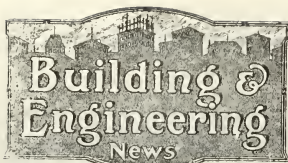
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LOS ANGELES CHAPTER.

A called meeting of the Los Angeles Chapter of the American Association of Engineers was held on the evening of August 19th at Christopher's Cafe. There were twenty-five in attendance. A dollar dinner at 6:30 was followed by a business meeting when the matter of entertaining President Newell was discussed. The following officers were elected to hold office as permanent officers until a regular election can be held after the adoption of a constitution and by-laws by the local organization: President, E. G. Sheibley; Vice-President, C. W. Lawrence; Secretary, A. L. Harris, and E. Hardy Merrill, Treasurer. The following committee chairman were appointed: Auditing, F. C. McMillan; Qualification, E. R. Kuerr; Legislative, Prof. F. Thomas;

Publicity, E. Earl Glass; Compensation, A. J. Ford; Employment, G. C. Mattis; Membership, J. F. Lambert; Constitution and By-Laws, Prof. Franklin Thomas; Entertainment, Prof. C. W. Lawrence; Program, Prof. C. W. Cook, and Practice, C. H. Kemmerer. Plans were adopted to hold a called meeting of the Chapter and invited guests for the 29th at some place to be selected by the committee.

A meeting of the San Bernardino Chapter of the A. A. E. has been called for the evening of August 25th at the Riverside County Court House. The following is the list of officers of the Chapter elected at the last meeting: President, B. B. Mann, City Engineer of Ontario; Vice-President, Mr. Kemmerer, of the San Bernardino County Surveyor's office; and Secretary-Treasurer, M. A. Woods, of the Santa Fe engineering staff at San Bernardino.

Arrangements are being made to entertain Dr. Newell with a banquet at the Mission Inn or Arrowhead Hotel on Saturday, August 30th.

SACRAMENTO ENGINEERS GET SALARY RAISE

Civil Service Board Passes on Last Batch of Attaches of Department.

The announced determination of the employees of the State Engineering Department to organize a labor union for the enforcement of salary claims is supposed to be successfully countered by the action of the State Board of Control and the Civil Service Commission in proposing and approving a readjustment of the pay roll of the department. Increases ranging between 12 and 15 per cent have been provided, with a minimum of \$125 and a maximum of \$300 a month. The maximum heretofore has been \$250. This is the first raise for the engineers and architects within five years.

The Civil Service Commission has also passed on salary readjustments for a number of architects in the department. Increases had been previously allowed to employees of the California Highway Commission. — Sacramento Union, Aug. 20.

CONGRESS OF THE UNITED STATES

Joint Commission On Reclassification of Salaries

Washington, August 7, 1919
San Francisco Chapter Office, A. A. E.,
700 Marston Building,
244 Kearny Street,
San Francisco, Calif.

Attention: Mr. A. G. Mott.
Gentlemen:

Although your Chapter, which we understand is affiliated with the American Association of Engineers, is some distance from Washington, the Reclassification Commission here is very much interested in salaries that are being paid on the coast, and your organization practically in its infancy as far as the coast is concerned, might be in a position to give us the ruling salaries that are being paid to the engineering services.

This data is required for the purpose of re-adjusting the salaries that have been paid by the Government and we are endeavoring to see that these employees shall receive the same compensation that is being paid in private life. In this manner only will the Government be able to retain efficient engineers.

Assuring you in advance of our appreciation of your co-operation, we are—

Very truly yours,
FRANK J. GRAF,
Division of Economic and Employment Research of the Reclassification Commission.

NEWS FROM NATIONAL HEAD-QUARTERS.

The Joint Commission on Reclassification of Salaries, created by the 65th Congress is instructed to investigate the rates of compensation paid to civilian employees by the municipal government and other government establishments in the District of Columbia, it is engaged in making a preliminary classification. The Washington Chapter of the American Association of Engineers is securing information relative to the salaries of technical men included within the scope of the investigation of the Commission is authorized to make, and is making

recommendations as to the revisions which should be made. The actual preparation of the Commission's report is being made by Arthur Young & Company, Efficiency Engineers.

As a contribution to the movement to obtain the appointment of an engineer to fill the vacancy in the Interstate Commerce Commission, Dr. F. H. Newell, President of the American Association of Engineers, has written to the President of the United States the following letter:

Dear Mr. President:

In view of the existing vacancy in the Interstate Commerce Commission, I desire to present on behalf of the American Association of Engineers the desirability, from the public standpoint, of appointing an engineer to be a member of that commission.

While it is understood that the duties are largely judicial, yet these have to do with matters of engineering concern, and for success are dependent upon accurate statements of fact, to be obtained only by experienced engineers. Many of its duties are constructive in character and look toward creative efforts in the initiation of which the characteristics of the engineer's training are needed.

Moreover, the commission in its valuation work is the employer of the largest number of skilled engineers in the United States, it could be only a fitting recognition of the engineers to appoint one of their number to a position on the commission itself.

The American Association of Engineers joins with other similar organizations in bringing this to your attention and respectfully urges favorable consideration.

Sincerely yours,

FREDERICK H. NEWELL,
President American Association of
Engineers.

One of the greatest statesmen in the United States, whose name cannot be disclosed, recently made the following statement concerning the activities of Engineering Council:

"Your task is appalling. You have been elected to lead engineers into a political reform. They are the most unresponsive citizens that we have. Your organization has a praiseworthy purpose, but if it were sponsored by almost any other group of reputable men than engineers there would be more promise of success. If your organization succeeds, I believe you will find that it will not be the engineers who have carried it through. Their aloofness and indifference in all matters outside of their own professional sphere are among the unexplainable things in our political life."

The American Association of Engineers is placing this statement before each of its members as an illustration of the opinion which politicians hold concerning the value of engineering organizations as political entities. His statement that their "aloofness and indifference in all matters outside of their political life," should act as a spur to every engineer, for no truer statement of this situation could be composed. The individual engineer must be made to realize that his direct co-operation is necessary if the political genesis of the profession is to be accomplished, and it is to this end that the American Association of

Engineers hopes to have the statement given the widest publicity among engineers.

The refusal of the President of the Borough of Queens to meet representatives of the Union of Technical Men who were asking an increase in salaries on the ground that "the talents of engineers and draftsmen differ so widely in value that they should establish a standard of salaries before making any demands upon the city of New York," has given a new impetus to the investigation of salary conditions in that city being made by the New York Chapter of the American Association of Engineers. The public service committee of the chapter is conducting a thorough investigation of conditions in city departments, on the Public Service Commission and among the members of the Transit Commission's force.

Questionnaires have been issued to all engineers in public service in the city and responses indicate that it will be but a short time until full data will be at hand upon which to base a schedule of salaries. When completed the report, together with whatever action the Chapter recommends, will be sent to the proper officials with a request for action.

SAFETY ENGINEERING.

Accidents in the iron and steel industry have decreased by more than two-thirds during the past ten years, as a result of the movement to enforce safety regulations, according to a report recently made by the Bureau of Labor Statistics. In 1907, the report shows, 245 men were killed or injured out of every 1,000 employed, while in 1917 the accident rate was reduced to 81 per 1,000. A further reduction would have been recorded in 1917 but for the dislocation of industrial processes to meet war needs, the report adds. The majority of accidents are declared to have resulted from defective machinery and the employment of inexperienced men.—Scientific American.

CALIFORNIA DISTILLATE.

Many Eastern motorists are asking what "distillate" motor fuel is and where it can be procured. In response to an inquiry the Bureau of Mines of the Department of the Interior has stated that the petroleum product manufactured in California and marketed extensively in the West under the name of "distillate" or "engine distillate" is obtained as follows: The crude is heated or "topped" in various types of stills or topping plants until the vapors reach a temperature of 400 to 500 degrees Fahr. The condensed vapors, "tops" or "first-run distillate," are rerun in steam or combination steam and fire stills, yielding the following products in the order named: Gasoline, engine distillate, stove oil, steam still bottoms. In most cases, the engine distillate is agitated with a sufficient quantity of concentrated sulphuric acid to make it water white, and then washed with caustic soda and water before marketing. Hence distillate or engine distillate is a refined rerun product coming between gaso-

line and kerosene. Its gravity is as a rule very close to 50 degrees Baume (0.7796 sp. gr.) although a 52-degree distillate (0.7711 sp. gr.) is also marketable. It will be evident that it will operate an automobile engine very well in a warm climate but that its value in a section of the country where the weather is cool or cold a large part of the time is not as great as that of the more volatile gasoline to which Eastern motorists are accustomed.—Scientific American.

ENGINEERS TO GREET DR. NEWELL.

Dr. F. H. Newell, President of the American Association of Engineers, will be entertained by the organization's local Chapter at a banquet in the Sacramento Hotel Monday night. Dr. Newell is Dean of the Department of Civil Engineering at the University of Illinois and a former director of the United States Reclamation Service.—Sacramento Bee, Aug. 21.

AMERICAN AUTOMOBILES IN FOREIGN COUNTRIES.

The explanation that a high duty on imported American automobiles is necessary to restrict importations as a protective step to maintain the present rate of exchange does not appear to be the true reason, but fear of American competition is the one that seems most reasonable to one who is familiar with the remarkable war record of our cars and trucks in European service. This was such as to create favorable comment on the part of the European public and many orders could now be booked for American cars from residents of both England and France. These had an opportunity to see how little the European prejudice against "cheap" American cars was founded on by first hand information gained by actual observation of our thousands of medium-priced cars and the service they rendered our army and the civilian auxiliary branches. It has recently been brought to the attention of automobile manufacturers in this country that a convention held in Paris decided branches. It has recently been brought to the attention of automobile manufacturers in this country that a convention held in Paris decided to recommend the imposition of a tariff duty of 45 per cent against American products while the duty would be only 10 per cent on imports from European countries. While at the present time, imports of automobiles are prohibited in both England and France, these are necessary war measures and American industry had reason to hope that they would be discontinued after the industries of the countries involved had been changed from a war to a peace-time basis. It is fortunate that this congress of European manufacturers can do no more than make recommendations, but when one considers the present attitude of European people it is feared that some sort of drastic legislation will result from this agitation to restrict American export of automobiles.—Scientific American

ADVANCE NEWS

Official Proposals, Etc.

Building.

APARTMENT HOUSES.

Segregated Figures Being Taken.
ALTERATION. Cost, \$50,000
SAN FRANCISCO. No. 1250 Vallejo.
Alter frame building into apartments
Owner—Mrs. M. Knapp and Miss H.
Mignel.

Architect—Foulkes & Hildebrand,
Crocker Bldg., San Francisco.

Plans Being Figured.
APARTMENTS. Cost, \$150,000
ASTORIA, Ore.
Three-story and basement brick
brick apartments, 60x200 (21 2-
room, 44 3-room.)

Owner—Geo. McBride and Thos. Ran-
dies, Yeon Bldg., Portland, Ore.
Architect—F. Manson White, Cham-
ber of Commerce Bldg., Portland,
Ore.

Plans to Be Figured Next Week.
APARTMENTS. Cost, ———
SAN FRANCISCO. Park-Presidio
District.

Two 3-story and basement frame
apartment house.
Owner—Benj. Schloss.
Architect—August Headman, New
Call Bldg., San Francisco.

Plans Being Prepared. Ready for Fig-
ures in Two Weeks.

APARTMENTS. Cost, ———
PATTERSON, Stanislaus Co., Cal.
Two-story brick store and apartment
building, four stores and 4 4-room
apartments.

Owner—J. H. Evans.
Architect—Reed & Corlett, Oakland
Bank of Savings Bldg., Oakland.

SEGREGATED FIGURES BEING TAKEN.

APARTMENTS. Cost, \$55,000
SAN FRANCISCO. Stockton and
Emma N. E.

Five-story and basement brick apart-
ments (16 3 and 4 room apts.)
Owner—H. H. Helbush, 75 Sutter
St., San Francisco.
Architect—E. E. Young, 251 Kearny.

SAN FRANCISCO.—Architect J. F.
Dunn, 401 Phelan Bldg., is taking fig-
ures for painting and electric fix-
tures for his 4-story frame apartment
house building which is being erected
on the north side of Pine street, 199-6
west of Leavenworth.

Contract to Be Awarded Shortly.
APARTMENTS. Cost, \$100,000
SEATTLE, Wash. NW Fifth and
Blanchard.

Three-story and basement brick
apartments.
Owner—G. W. Graff, Seattle, Wash.
Architect—Jas. Schak, Lippy Bldg.,
Seattle, Wash.

FRESNO, Fresno Co., Cal.—Bids
will be received by the County Super-

visors up to September 10th, 3 p.m.,
for the purchase of \$400,000 in bonds
of the Fresno City School District.
This is a portion of the \$2,000,000
issue recently voted which will finance
the erection of new schools and im-
provements to the present buildings.

Sub-figures Being Taken.
APARTMENTS. Cost, ———
LOS ANGELES, W 5th St. near Boyl-
ston Ave.
Three-story frame apartment house,
30 rooms; frame 20-room flat
building and 4 16-room flat Bldgs.
Owner—W. C. Elderton.
Architect—C. C. Rittenhouse, 310 Wil-
cox Bldg., Los Angeles.
Work will be done by Day Labor.

BONDS.

YUBA CITY, Sutter Co., Cal.—A
special tax of \$2,600 has been voted
by the Knights School District so that
work on the proposed school building
might be started. At a recent elec-
tion bonds of \$18,000 were voted to
erect the building, but bids went over
the amount available making it nec-
essary to vote the tax.

FRESNO, Fresno Co., Cal.—Bids
will be received by the County Super-
visors, D. M. Barnwell, County Clerk,
up to September 3rd, for the purchase
of the \$3,500 bond issue of the Maeks
School District. Proceeds of the sale
will finance school improvements.

MARTINEZ, Contra Costa Co., Cal.
—As plans for the proposed Alhambra
Union High School have not yet been
completed the Trustees of the Dis-
trict asked that the bids received for
the bonds be rejected. The issue pro-
vides \$125,000 to finance construction
of the proposed building.

MARTINEZ, Contra Costa Co., Cal.
—The County Supervisors have sold
the \$94,000 bond issue of the Antioch
School District which will finance con-
struction of a new school building,
plans for which are being prepared by
Architect W. H. Weeks, 75 Post St.,
San Francisco.

The \$60,000 bond issue of the
Liberty Union High School District,
at Brentwood, was also sold. Plans
for the building to be erected from the
sale of the bonds have been completed
by Architect James T. Narbett of
Richmond, Cal.

FOWLER, Fresno Co., Cal.—A spe-
cial election will be held September 8
to vote on the question of issuing
bonds in the sum of \$150,000 for the
erection of a new high school build-
ing. Allison & Allison, 1405 Hiber-
nian Bldg., Los Angeles are the archi-
tects.

SACRAMENTO, Cal. — Following
bids were received by Architects
Woollett & Lamb, Physicians' Bldg.,
Sacramento, for the construction of a
one-story frame school building for

the Jefferson School District:
G. B. Stahl, Colonial Heights,
Sacramento \$5,889
C. J. Guth, Sacramento 6,986
Herndon & Finnegan, Sacra-
mento 8,990
Sinias & Bertoluce, Sacramento 7,830
The contract was awarded to G. B.
Stahl.

SACRAMENTO, Cal.—The State
Board of Control has purchased the
\$5,000 bond issue of the Reese School
District in Sacramento. The proceeds
of the sale will finance construction
of school improvements.

LODI, San Joaquin Co., Cal.—The
Houston School District will hold an
election on September 3rd to decide
whether or not the district shall be
taxed to improve the school by in-
stalling a water system, lavatories
and lights. For this purpose it is
necessary to raise \$2,500.

SACRAMENTO, Cal.—An election is
planned by the Sacramento Board of
Education to vote bonds of \$3,000,000
with which to finance construction of
eighteen new school buildings.

VISALIA, Tulare Co., Cal.—Until
10 a. m., September 3, bids will be
received by the Supervisors of Tulare
County for constructing bridges as
follows: Reinforced concrete bridge
across South Fork of Kaweah River
near Three Rivers, involving 66.8 cu.
yds. Class A concrete, 82.9 cu. yds.
Class B concrete, and 7.9 cu. yds.
Class A concrete in pavement of
bridge approaches. Reinforced con-
crete bridge across highway in Twp.
18, involving 111.8 cu. yds. Class A
concrete, 31.9 cu. yds. Class B con-
crete, and 15.6 cu. yds. Class A con-
crete in pavement of approaches.
Certified check for 5% required. Plans
and specifications may be obtained
from County Surveyor, George R.
Prestidge, Clerk.

SEATTLE, Wash.—Bids will be re-
ceived by the County Treasurer up
to September 9th, for the purchase of
school bonds of District No. 1 in the
sum of \$1,125,000. The issue is of-
fered buyers under six delivery propo-
sitions as follows: \$525,000 on Oct.
1; \$125,000, Oct. 1; \$225,000, Oct. 1;
\$225,000, Dec. 1; \$675,000 divided into
\$225,000 lots for delivery Oct. 1, Dec.
1 and Feb., 1920; \$900,000 of \$225,000
lots, delivery Oct. 1, Dec. 1, Feb., and
April 1 and \$1,125,000 of \$225,000 lots,
delivery as previous lot and June 1.
Proceeds of the sale of the bonds
will finance school construction.

COURTHOUSES.

COLUSA, Colusa Co., Cal.—The Co-
lusa County Supervisors have voted
a fund for the installation of an oil
heating plant in the Courthouse, Hall
of Records and County Jail.

T. D. Cain is Clerk of the Board of
Supervisors.

6 FACTORIES AND WAREHOUSES.

COLUSA, Colusa Co., Cal.—D. Russell, Colusa, has been awarded the contract for the electric work on the nearly completed rice mill at Colusa for Rosenberg Bros., of San Francisco. The contract price is in the neighborhood of \$5,000.

Being Done by Day Labor.
WAREHOUSE. Cost, \$350,000
CROCKETT, Contra Costa Co., Cal.
 Steel and concrete warehouse.
 Owner—California - Hawaiian Sugar Refining Co., Crockett.
 Architect—Owner.

Contract Awarded.
FACTORY. Cost, \$70,000
SEATTLE, Wash. Virginia St. near Terry.
 Three-story and basement concrete, brick and mill construction candy factory, 60x120.
 Owner—H. H. Gulstine, Yakima, Wash. Langert-Aronson Candy Co., Inc., lessees.
 Engineer—Henry Bittman.
 Contractor—Great Northern Construction Co., Seattle, Wash.

Contract Awarded.
ALTERATION. Cost, \$14,800
SAN FRANCISCO, SW Jackson and Sansome.
 Alterations to building.
 Owner—T. Z. Blakeman.
 Architect—Bliss & Faville, Balboa Bldg., San Francisco.
 Contractor—J. Harold Johnson, 771 28th Ave., San Francisco.
 The following bids were received:
 W. C. Duncan & Co. \$17,250
 Barrett & Hill 15,979
 G. H. & S. Walker 15,300
 Chas. Stockholm & Son 15,000
 J. H. Johnson 14,800

Ready to Take Segregated Figures Friday
SHOP BLDG. Cost, \$14,000
SAN FRANCISCO, N Post W Leavenworth.
 One-story brick auto repair shop building, 35x137-6.
 Owner—Goldberg-Bowen Co.
 Architect—S. Heiman, 57 Post Street, San Francisco.

Contract Awarded.
ROLLING MILL Cost, —
PITTSBURG, Contra Costa Co., Cal.
 Four or five steel frame and corrugated iron rolling mill buildings.
 Owner—Columbia Steel Co., Pittsburg, Cal.
 Architect—Owners.
 Contractor—Dyer Bros, 17th & Kansas, San Francisco.
 The foundations and corrugated iron work will be done by the owners.

Plans Being Prepared.
ADDITION. Cost, \$100,000
ST. JOHNS, Ore.
 Addition of dry kilns, excavating, frame, tile and concrete construction.
 Owner—Western Cooperage Co., St. Johns, Ore.
 Architect—De Young & Road, Spaulding Bldg., Portland, Ore.

Contract Awarded.
WAREHOUSE. Cost, \$105,000
SEATTLE, Wash. N E Western Ave. and University street.
 Four-story mill construction warehouse, 120x120.
 Owner—Stephen A. Hull.
 Architect—John Graham, Smith Bldg., Seattle, Wash.
 Contractor—A. W. Quist Construction Co, Hoge Bldg., Seattle, Wash.

FIRE HOUSES AND JAILS.

PETALUMA, Sonoma Co., Cal.—The Building & Grounds Committee of the City Council has been instructed to secure plans, estimates, etc., for the extension of the corporation yards building.

The plans will be ready for approval at the next meeting of the Council.

Plans Being Prepared.
COMFORT STATION. Cost, \$12,000
OAKLAND, Cal. City Hall Plaza.
 Comfort station.
 Owner—City of Oakland.
 Architect—Public Works Dept., City Hall, Oakland.
 An appropriation has not been made.

Plans Being Prepared.
OFFICES, ETC. Cost, —
EUREKA, Humboldt Co., Cal. Fourth near E street.
 One-story reinforced concrete waiting station, offices and freight room, 60x120.
 Owner—Union State Lines, Eureka, Calif.
 Architect—Newton Ackerman, Eureka, Calif.

SEATTLE, Wash.—The City Council has approved the following appropriations to be included in the coming budget:

At Firland—\$15,000 for the addition of 15 rooms to the administration building as quarters for nurses; \$10,000 for an addition to the kitchen; \$6,000 for an addition to the bakery and storeroom; \$4,500 for an electric push button elevator; and \$1,000 for an annunciator system in the isolation hospital.

The erection of fire stations are asked as follows:

Fifteenth avenue and Harrison street costing \$25,000; a new station at 1st avenue So. and Hanford street, \$25,000, and repairs as follows:

Fire station at 46th avenue S. W. and Ferry avenue, \$25,000; repairs on the Beacon Hill station, \$25,000; repairs on station at 33rd avenue So. and Yesler Way, \$15,000; addition to the station at 23rd avenue S. W. and W. Spokane, \$10,000; and \$7,000 for building a fire alarm station at N. 39th street and Linden avenue to replace the present wooden structure..

SACRAMENTO, Cal.—Bids received by the City Commissioners, M. J. Desmond, City Clerk, for the construction of the proposed rest room and tool house for the City Cemetery, will probably be rejected as being too high. The bids were:

C. J. Guth \$750
 John R. Siller 757

The estimate placed on construction was \$400. The City Carpenter has been asked to submit a bid for the work.

FIRE REPORT.

FRESNO, Fresno Co., Cal.—The City Council will shortly issue a call for bids for the construction of a building in the Corporation Yards for the use of the Street Department. A drill tower for the use of the fire department will also be erected at the same time and will probably be incorporated in the street building project.

GARAGES.

Contract Awarded.
GARAGE. Cost, \$20,000
LOS ANGELES, Cal. Hollywood Blvd. near Cahuneaga Ave.
 One-story brick commercial garage, 90x140.
 Owner—J. E. Hansford.
 Architect and Contractor—Frank L. Meline Co., 6777 Hollywood Blvd., Los Angeles.

Plans Being Figured.
GARAGE. Cost, —
LOS ANGELES, Cal. South Flower, between Pico and 14th Sts.
 Two-story brick commercial garage, 48x150.
 Owner—Richard Ryse.
 Architect—B. B. Bixby, Realty Board Bldg., Los Angeles.

Plans Being Prepared.
AUTO SALES ROOM. Cost, \$40,000
PORTLAND, Ore. Fifteenth and Washington Streets.
 One-story reinforced concrete auto sales room, 100x100.
 Owner—W. H. Wallingford.
 Architect—Emil Schacht, Commonwealth Bldg., Portland.

Segregated Figures Being Taken
AUTO SHOP Cost, \$15,000
SAN FRANCISCO, S Fell 165 E Franklin.
 One-story Class "C" auto shop building, 27x120.
 Owner—Arthur F. Rousseau, 110 Sutter St., San Francisco.
 Architect—Rousseau & Rousseau, 110 Sutter, San Francisco.

Plans Being Prepared.
WORKS AND OFFICES Cost, \$20,000
PORTLAND, Ore. Near Fifteenth and Washington streets.
 One-story concrete spring works and offices, 100x150.
 Owner—Laher Auto Spring Co.
 Architect—Emil Schacht, Commonwealth Bldg., Portland.

GOVERNMENT WORK & SUPPLIES.

TREASURY DEPARTMENT; Supervising Architect's Office, Washington, D. C.; Aug. 12, 1919.—Sealed proposals will be opened in this office at 3 p. m., Sept. 15, 1919, for the construction of the United States post office at Winnemucca, Nev. Drawings and specifications may be obtained from the custodian of the site at Winnemucca, Nev.; or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

WASHINGTON, D. C.—The Construction Division, U. S. Army, has awarded a contract to the Clinton-Wright Wire Co., of Boston, Mass.,

for furnishing and delivering wire mesh to the Schofield Barracks on its bid of \$32,200.

WASHINGTON, D. C.—The following firms have secured plans for the proposed water supply and sewer system and fuel oil reservoir planned by the Bureau of Yards and Docks at San Diego. The work is provided for under Specification 4007 and is estimated to cost \$200,000.

Hyde & Baxter, 711 13th street N. W., Washington, D. C.

White City Electric Co., Washington, D. C.

H. D. Hallett, 132 Downer Place, Aurora, Ill.

Whitlock Coil Pipe Co., Hartford, Conn.

Standard Water Systems Co., Hampton, N. J.

SAN DIEGO, Cal.—The navy department has asked the city council of San Diego for title to fifteen acres of land at Balboa Park as a site for a naval hospital. The proposed building will have a maximum capacity of 500 beds and will cost about \$1,000,000. Preliminary plans have been prepared by Archt. Bertram Goohee of Boston. The navy department has also asked for title to certain tidelands upon which it proposes to establish a naval training station for 10,000 men, a navy yard and naval supply base. The buildings to be erected for these projects will cost several million dollars.

Ready for Figures in About Two Weeks.

STOREHOUSE Cost, \$100,000

BENICIA, Solano Co., Cal. Benicia Arsenal.

One-story concrete and frame artillery storehouse.

Owner—United States Government.

Architect—Engineering Department Benicia Arsenal.

Plans Being Figured. Bids Close August 30, 1919, 11 a. m.

QUARTERMASTER COMMISSARY BLDG. Cost, \$20,000

BENICIA ARSENAL.

Two-story reinforced concrete Quartermaster Commissary Building.

Owner—United States Government, Colonel O'Hern, Commander.

Architects—Miller & Warnecke, Perry Bldg., Oakland.

Plans may be obtained from Colonel O'Hern, Benicia.

WASHINGTON, D. C.—The Construction Division of the U. S. Army, has awarded a contract to the California Portland Cement Co., of Los Angeles, for furnishing and delivering cement to the Schofield Barracks on its bid of \$137,800.

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PANAMA CIRCULAR 1297.—Panama Canal Office of the General Purchasing Officer, Washington, D. C.—Sealed bids are wanted until September 8, 1919, for furnishing brass, bronze, copper, brass pipe, copper pipe, lead pipe, tin, spelter, zinc, tacks, nails, spikes, bolts, hardware, handles, pipe covering, asbestos gloves, asbestos gaskets, boiler lagging, packing, calking cotton, lanyard, chalk line, manila rope, twine, hose, garbage cans, coin safes, leather belting, leather lacing, emery cloth, sandpa-

per, brushes, grindstones, spades, synthstones, wooden rules, vises, wrenches, fire brick, fire extinguishers, cars, marine clocks, ladders, candles, crayons, flags, hair, gold leaf, metal polish, soap, soap polish, pitch, tallow, muriatic acid, lye, lard oil, bicarbonate of soda, turpentine, paints and ingredients, mercuric oxide and cypress lumber. For further information address the above office.

Navy Department, Bureau of Supplies and Accounts, Washington, D. C.—Sealed bids will be received here for furnishing supplies under schedules as follows:

(Closing date given at end of each paragraph.)

Schedule 4357, for Mare Island, brick trowels, tinners' shears, oil slips, 30 charcoal furnaces, 2,000 paint cans, 1,000 squirt cans and 300 pressed steel wheelbarrows, date not yet assigned.

Schedule 4358, for Mare Island and Puget Sound, steel balls, single jack chain, 360 air hose clamps, 4,800 wire rope clips, 60 deck paying cups, stamping figures and letters, 172 dozen fish and shark iron and steel hooks, 200 pounds glaziers' points, hardware, bolts, catches, etc., date not yet assigned.

Schedule 4359, for Puget Sound, 200 machine punches, opening of September 2.

Schedule 4360, for Mare Island and Puget Sound, blacksmiths' flatters and chisels, machinists' chisels and 60 blacksmiths' tongs, date not yet assigned.

Schedule 4361, for Mare Island and Puget Sound, miscellaneous screweyes, grommets, machine screw nuts, escutcheon, cotter, taper steel pins, clinch and grommet rings, cap and lag set screws, date not yet assigned.

Schedule 4365, for Mare Island and Puget Sound, 118 drilling posts, machinists' dividers, try and combination squares, date not yet assigned.

Schedule 4366, for Mare Island and Puget Sound, various kinds of wrenches, date not yet assigned.

Schedule 4367, for Mare Island and Puget Sound, measuring tapes, wood and ship scrapers, rivets and headers, nail pullers, gasoline pots, 720 diagonal cutting pliers, end cutting nippers, various kinds of gauges, 480 hand drills, 240 washer cutters and 206 torches, date not yet assigned.

Schedule 4371, for Puget Sound, 4,350 feet steel wire rope, opening of August 29.

Schedule 4377, for eastern and western yards, 16 oil lubricating pumps, opening of September 9.

For further information address the Bureau of Supplies and Accounts, Navy Department, Washington, D. C.

WASHINGTON, D. C.—Bids will be called for in the next few weeks by the Bureau of Yards and Docks, Navy Department, for the following work at Puget Sound:

Specification 3837, reciprocating air compressor, Puget Sound. Estimated cost, \$62,000. Deposit, \$10.

Specification 4009, extension to building 178, navy yard, Puget Sound. Deposit, \$10.

The deposit referred to is the amount necessary to secure plans and specifications.

INVITATION FOR PROPOSALS.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., August 18, 1919.—SEALED PROPOSALS will be opened in this office at 3 p. m., November 3, 1919, for the construction of the United States post office, court and custom house at Honolulu, Hawaii. Drawings and specifications may be obtained from the architects, York & Sawyer, 50 East Forty-first Street, New York, N. Y., from the Custodian of the site at Honolulu, from Supervising Superintendent J. W. Roberts, 403 Post Office Building, San Francisco, California, or at this office at the discretion of the Supervising Architect Jas. A. Wetmore, Acting Supervising Architect.

Proposals for iron pipe, pipe fittings, lavatory fittings, range boilers, sheeting, cotton rope, glass, and blue print paper.—Sealed proposals will be received at the office of the General Purchasing Officer, The Panama Canal, Washington, D. C., until 10:30 o'clock a. m., September 9, 1919, at which time they will be opened in public, for furnishing the above mentioned articles. Blanks and information relating to this circular (1299) may be obtained from this office or the office of the assistant purchasing agent, Fort Mason, San Francisco, Calif.; also from the United States Engineer offices in the principal cities throughout the United States.—A. L. FLINT, General Purchasing Officer.

HALL AND SOCIETY BUILDINGS.

Completing Plans. Ready for Figures in 10 Days.

HALL. Cost, \$35,000

SEBASTOPOL, Sonoma Co., Cal.

Memorial hall and gymnasium.

Owner—City of Sebastopol.

Architect—W. H. Weeks, 75 Post St., San Francisco.

Plans Being Figured.

LABOR TEMPLE. Cost, \$200,000

PORTLAND, Ore.

Five-story and basement reinforced concrete and mill construction labor temple, 100x150.

Owner—Labor Temple Building Association, Portland, Ore.

Architect—Houghton & Dougan, Portland, Ore., and W. W. Lucius, associate, Portland, Ore.

Preliminary Plans Prepared.

LODGE BLDG. Cost, —

LOS ANGELES, Cal. Location not selected.

Twelve-story Class "A" lodge building, 150x150.

Owner—Elks' Club.

Architect—Edwin Bergstrom, Citizens National Bank Bldg., Los Angeles.

Leo Youngworth is chairman of the building committee.

HOSPITALS.

Segregated Figures Being Taken.

ADDITION. Cost, \$250,000

SAN FRANCISCO. N. Bush E. of Hyde. Two six-story Class "A" additions to hospital, 35x180x35x80.

Owner—St. Francis Hospital, Prem.

Architect—Alfred I. Coffey, Humboldt Bank Bldg., San Francisco.

HOTELS.

To Be Done by Day's Work.
ALTERATIONS. Cost, \$13,000
SAN MATEO Cal. 2nd Ave., San Mateo.

Alterations to hotel.
Owner—Wisnom Company.
Architect—W. H. Toepke, 942 Market San Francisco.

The improvements will include the installation of fourteen private bathrooms, a complete steam heating plant, remodeling the lobby, alterations in the kitchen and dining room and the changing of the former bar into a modern store. The entire interior of the building will be repapered and re-tinted.

LOS ANGELES, Cal.—The California Hardware Co., 500 E-1st street, Los Angeles, has been awarded a contract at \$21,500 for furnishing the finish hardware for the new California Hotel being erected on Wilshire Boulevard for the Wilshire Boulevard Hotel Co. The Forve-Pettebone Co., 512 So. Broadway, Los Angeles, was awarded the contract at \$25,000 for furnishing electric lighting fixtures. Myron Hunt, 1017 Hibernian Bldg., is the architect.

LIBRARIES.

Plans Being Figured. Bids Close September 10, 10 a. m.

LIBRARY. Cost, \$5,000
DELANO, Kern Co.
One-story hollow tile library.
Owner—Kern County.
Architect—Thomas B. Wiseman, Bakerfield.

The bid of Yancey & Rogers at \$7,348, which was received recently, was rejected. Only \$5,000 is available.

POWER PLANTS.

LOS ANGELES, Cal.—Until 3 p. m., September 5, bids will be received by the Board of Public Service, Knickerbocker Bldg., for 33,000 coil insulators and hardware in accordance with Specification No. P-206, on file in the office of the Board. Jas. P. Vroman, Secretary.

RESIDENCES.**ER PLANS HOME BUILDING.**

SACRAMENTO, Cal.—City Commissioner D. W. Carmichael, of the Carmichael Co., 1005 8th street, has announced that he will build homes in the Casa Loma, Sutter Terrace, Era Tract and in Prince Villa on the Riverside road, until the demand for homes has been satisfied.

Construction on a number of buildings will be started in the Casa Loma tract within the next few weeks.

SACRAMENTO, Cal.—The J. C. Carly Co., of which J. C. Carly is President, 823 "J" St., Sacramento, announces that work will be started by his company within the next few weeks on the erection of 360 modern homes, costing in the neighborhood of \$1,500,000. The buildings will be erected in the proposed West Curtis Oaks District, which has been offered to the city of Sacramento as a gift.

The buildings will cost between \$3,500 and \$4,000 each and will be sold on the "easy payment" plan.

Other improvements will consist of street improvements, sidewalks, electrolift system and a gardening scheme.

SACRAMENTO, Cal.—Bids will be received until September 22, 1919, for the following work on the San Francisco Civic Center State Building. Plans were prepared by Architects Bliss & Paville, Balboa Bldg., San Francisco.

Excavation Work to be opened at 11:30 a. m. Deposit of \$10 for plans.

Granite Work and the setting of same to be opened at 12 o'clock, noon. Deposit of \$15 for plans.

Concrete Work, Brick Work and Ornamental Terra Cotta and the Rough Carpenter Work required for above branches to be opened at 2:30 p. m. Deposit of \$25 for plans.

Fabrication, Delivery and Erection of Structural Steel and Iron Work to be opened at 1:30 p. m. (This date has been extended from Sept. 5, 1919.)

Plans for all the above may be obtained from the State Department of Engineering, Sacramento. For further particulars see Official Proposals in the "Daily Pacific Builder."

Contract Awarded.
RESIDENCE. Cost, \$50,000
LOS ANGELES. Andrews Blvd. north of Hollywood Blvd.
Two-story hollow tile residence, 18 rooms.

Owner—Joseph T. Dadey.
Architect and Contractor—Frank L. Meline Co., 6777 Hollywood Blvd., Los Angeles.

To Be Done by Day's Work.
RESIDENCE. Cost, \$11,000
HAMILTON, Glenn Co., Cal.
Two-story frame and stucco residence
Owner—Jas. Miller, Sr.
Architect—W. H. Weeks, 75 Post St., San Francisco.

Plans To Be Prepared.
RESIDENCE. Cost, —
SAN MATEO, Cal.
Residence (type of construction, etc., not decided.)
Owner—Wm. H. Toepke.
Architect—Wm. H. Toepke, 942 Market, San Francisco.

To Be Done by Day's Work.
BUNGALOWS. Cost, —
PITTSBURG, Contra Costa Co., Cal.
Tenth street (Southwest Addition).
Owner—C. A. Hooper Co., Pittsburg, Calif.

Contract Awarded.
BUNGALOWS. Cost, \$90,000
LONG BEACH, Los Angeles Co., Cal.
Beachwood Drive.
Frame bungalow court, 10 buildings.
Owner—Henry Hotchner, Long Beach, Calif.
Architect—Not given.
Contractor—The De Luxe Building Co., 521 Union League Bldg., Los Angeles.

Contract Awarded.
RESIDENCE. Cost, \$26,000
WEST HOLLYWOOD, Los Angeles Co., Cal. Corner Selma and Laurel avenues, Crescent Heights.
Two-story frame and plaster residence, 15 rooms and two-story garage with living apartment.

Owner—Mrs. A. J. Verheyen and Mrs. George S. Landers.

Architect—Frank L. Meline, 6777 Hollywood Blvd., Los Angeles.

Contractor—The De Luxe Bldg. Co., 521 Union League Bldg., Los Angeles.

The plumbing work has been let to the Hinckley Plumbing Co., the hardwood flooring to the National Hardwood Flooring Co., and the plastering will be done by E. Westberg.

Contract Awarded.
RESIDENCE. Cost, \$75,000
BBVERLY, Los Angeles Co., Cal.
Two-story and basement hollow tile residence, 20 rooms and 7 bathrooms.

Owner—Raymond C. Thorne.
Architect and Contractor—Frank L. Meline Co., 6777 Hollywood Blvd., Los Angeles.

Plans Being Figured.
BUNGALOWS. Cost (each) \$6,000
SAN FRANCISCO. Geary St. between 44th and 45th Aves..

Nine one-story frame bungalows, 5 rooms each.

Owner—Not given.
Architect—E. E. Young, 251 Kearny, San Francisco.

Plans Being Figured. Bids close Sept. 1st, 12 M.

COTTAGE. Cost, —
ABERDEEN, Inyo Co., Cal.

One-story frame (4-room) cottage, 24x24.

Owner—Aberdeen School District, L. L. McAfee, Clerk, Independence, Calif.

Architect—Not given.

Plans Being Prepared.
RESIDENCE, ETC. Cost, \$10,000
SAN MATEO, San Mateo Co., Cal.
Two-story frame and plaster residence (8 rooms) and separate garage.

Owner—Mr. Lee.
Architect—T. M. Edwards, 833 Market, San Francisco.

Plans Ready for Figures Next Week.
FRAME RESIDENCE. Cost, \$10,000
SAN MATEO, San Mateo Co., Cal.
One and one-half story frame residence.

Owner—Mr. Thompson.
Architect—T. M. Edwards, 833 Market St., San Francisco.

Plans Being Prepared.

BUNGALOWS. Cost, \$5,000 each
SAN FRANCISCO. Westwood Park

Five one-story frame bungalows, 5 and 6 rooms each.

Owner—H. C. Baumann, 251 Kearny St., San Francisco.

Architect—H. C. Baumann, 251 Kearny St., San Francisco.

Note: Mr. Baumann has six other bungalows under construction in Westwood Park. Work is being done by Day's Labor.

Sub-figures Being Taken.
RESIDENCE. Cost, —
LOS ANGELES. Irving Blvd. near 5th St.

Two-story and basement frame and plaster residence, 14 rooms and 4 bathrooms.

Owner—J. Roussio.

Architect—H. J. Knauer, 1129 Story Bldg., Los Angeles.

Plans Being Prepared.
RESIDENCE, ETC. Cost, \$50,000
WICHITA FALLS, Texas.
Two-story and basement brick residence (13 rooms and 3 bath-rooms), and a garage, laundry and servants' quarters building.
Owner—T. R. Boone.
Architect—E. B. Rust, 529 Black Bldg., Los Angeles.

SCHOOLS.

GEYSERVILLE, Sonoma Co., Cal.—The following bids were received August 21st by the Clerk of the Geyserville School District for the construction of a one-story reinforced concrete school building:

Monson Bros., 180 Jessie street, San Francisco, submitted the lowest bid at \$33,280, and will be awarded the contract after a few changes and omissions have been made to slightly reduce the contract price.

Plans were prepared by Architect Henry C. Smith, Humboldt Bank Bldg., San Francisco.
Monson Bros., S. F. \$33,280
Fred Warden, S. F. 34,790
W. L. Proctor, Santa Rosa 35,000

NORTH SACRAMENTO, Cal.—Architect Alex Willoner, 403 21st street, Sacramento, has completed three sets of plans for additions to the two North Sacramento schools, and a mass meeting will be called to select one of the three. The work will cost about \$20,000 and will consist of the addition of class rooms and auditorium to the present buildings.

Bids received under the first call were above the amount available for construction and were rejected.

FAIRFIELD, Solano Co., Cal.—Bids will be received by the Trustees of the Fairfield Grammar School District, up to August 30th, 2 p. m., for furnishing and installing an oil burning equipment to operate heating plant in the present school, to consist of installation of one 1500-gallon oil storage tank, all piping connections between same and oil burner in furnace room; the necessary changes in the present heating furnace for the Courthouse, Fairfield, Calif.

FRESNO, Fresno Co., Cal.—The Fresno School District will receive bids up to September 2nd, 12 M., for cementing the exterior of the north wing of the present Lincoln School.

Plans may be seen at the office of Trewthitt-Shields, 435 Rowell Bldg., Fresno.

J. R. Fontaine is Secretary of the Board of Education.

OAKLAND, Cal.—The Oakland Board of Education has decided on the addition of another class room to the Rockridge School for first and second grade pupils.

GLOBE, Ariz.—Until 2 p. m., September 15, bids will be received by the Trustees of School District No. 1, Gila County, at Globe, for erecting a grade school building on Hill street and an addition to the present high school building in accordance with plans and specifications by Architects Trust & Trust, of El Paso, Tex. Deposit of \$25 required for plans, Geo.

R. Hill, Clerk. Bonds to amount of \$100,000 were voted for the Hill Street school and \$80,000 for high school addition.

CHICO, Butte Co., Cal.—Preliminary sketches for the proposed new high school building will be presented by Architects Woollett & Lamb, Physicians' Bldg., Sacramento, at the next meeting of the Board of Education.

The architects will recommend a \$300,000 school in place of a \$200,000 structure as was planned — this amount including the purchase of a \$50,000 site.

FRESNO, Fresno Co., Cal.—Bids are being received by the Board of Education up to August 29th for the installation of heating and ventilating systems in the Hawthorne, Lowell, Emerson, Lincoln and present high school.

Contract Awarded.
SCHOOL. Cost, \$23,865
COVINA, Los Angeles Co., Cal.
Hollow tile school, 4 rooms and an auditorium.

Owner—Covina School District.
Architect—John C. Austin, 1125 Baker-Detwiler Bldg., Los Angeles.
Contractor—J. F. Atkinson, 1118 Story Bldg., Los Angeles.

The plumbing contract was awarded to John Hokom, 4312 Moneta avenue, on his bid of \$2,687. Mr. Atkinson's contract was awarded on his original bid of \$26,600 less deductions totaling \$2,735. The bids received for painting were ordered rejected.

Commissioned to Prepare Plans.
HIGH SCHOOL. Cost, \$100,000
SELMA, Fresno Co., Cal.
Brick and hollow tile high school buildings.

Owner—Selma High School District.
Architect—Norman F. Marsh, Broadway Central Bldg., Los Angeles.

For the present only the auditorium, gymnasium and domestic science portions of the high school will be erected, for which preliminary sketches and estimates will be made.

A bond election will be called shortly.

Contract Awarded.
SCHOOL. Cost, \$140,000
SEATTLE, Wash. Anne avenue between Roy and Mercer streets.

Three-story and basement (165x250) brick, mill and terra cotta industrial school. (Dormitory on third floor.)

Owner—Seattle Engineering School, T. A. Falkner, President, Seattle, Wash.

Architect—Sherwood D. Ford, Seattle, Wash.

Contractor—Johnson Building Co., 301 Epler Clock Seattle, Wash.

Plans Being Prepared.
SCHOOL. Cost, \$25,000
SOMMERTON, Yuma Co., Ariz.
Concrete grammar school, 4 rooms.

Owner—Sommerton School District.
Architect—Norman F. Marsh, 211 Broadway Central Bldg., Los Angeles.

Plans Being Prepared.
BANK. Cost, —
RICHMOND, Contra Costa Co., Cal.

SW 9th and Macdonald Ave.
Two-story brick bank building.
Owner—Mechanics Bank.

Architect—James T. Nabrett, Macdonald Ave., Richmond.

DURHAM, Butte Co., Cal.—The contract for the Durham school building has been awarded to W. R. Campbell, Sacramento, on his bid of \$35,200. Other bidders were: E. D. Sharp, Chico, \$38,858; W. C. Keating, Sacramento, \$37,150; Del Favero & Rasori, San Francisco, \$36,963.

The building will be one story in height and will be of hollow tile construction with a brick veneer exterior.

Plans were prepared by Architect W. H. Weeks, 75 Post street, San Francisco.

STORES AND OFFICES.

Plans Being Prepared.
BANK AND STORES. Cost, \$75,000
SANTA ROSA, Sonoma Co., Cal. 4th street and Exchange avenue.

One-story and basement reinforced concrete and terra cotta Bldgs., bank and 3 stores.

Owner—Santa Rosa Savings Bank, Santa Rosa, Cal.

Architect—Reed & Corlett, Oakland Bank of Savings Bldg., Oakland

Contract Awarded.
ALTERATIONS. Cost, \$21,000
SAN MATEO, No. 277 "B" St. (John Coleman Bldg.)

Alterations and extension of banking rooms in two-story brick building (marble front, fixtures, etc., also other alterations to Coleman Bldg.)

Owner—Bank of Italy (San Mateo Branch.)

Architect—W. H. Toepke, 942 Market St., San Francisco.

Contractor—Howard S. Williams.

Contract Awarded.
BANK. Cost, —
BEVERLY, Los Angeles Co., Cal.

One-story reinforced concrete bank building, 50x100.

Owner—First National Bank of Beverly.

Architect and Contractor—Frank L. Meline Co., 6777 Hollywood Blvd., Los Angeles.

Contract Awarded.
LOFT BLDG. Cost, \$40,000
LOS ANGELES, Cal. Hollywood Blvd. near Cahunege Ave.

Two-story Class "C" brick and concrete store and loft building, 80x140.

Owner—J. E. Ransford.

Architect and Contractor—Frank L. Meline Co., 6777 Hollywood Blvd., Los Angeles.

Plans Being Prepared.
STORES. Cost, \$30,000
RICHMOND, Contra Costa Co., Cal.

Macdonald Ave. between 6th and 7th streets.

Two-story brick stores, 50x90.

Owner—Joe Lestelle, L. Garfinkle, Lessee, Richmond, Calif.

Architect—James T. Nabrett, Richmond, Calif.

Contract Awarded.
CONCRETE BLDG. Cost, \$60,000
SAN FRANCISCO. N California and Front Streets.

Bids received for the work on the first call were considered too high and were rejected.

SAN FRANCISCO.—The Supervisors have adopted an ordinance authorizing the Board of Public Works to call bids for the construction of a sewer in Euclid avenue between Parker and Palm avenues.

Plans for the work have already been completed by the City Engineer.

—Seventy-four miles of paved roads are planned by the San Joaquin County Supervisors after receiving the recommendations of the Citizens' Committee, whose recommendations they have decided to follow. The work divided into fifteen sections as follows:

	Miles.
Clements-Ione	8
Terminus	7½
Victor-Sharp	3½
Olive Orchard	1
Telegraph	3
Perley Tract	2
Manteca-Ripon	8
Escalon to line	4
West side, River and Vernalis.....	8
French Camp road	5
Waterloo Comstock	8
Borden road	4½
Brookside Delta	4½
Hammer lane	3½
Beecher lane	4

Funds for the work will be raised by direct tax and not by bond issue. Eugene D. Graham is County Clerk.

CHICO, Butte Co., Cal.—Property owners in Main street east on Fourth to the main entrance of Bidwell Park are planning the installation of an electrolizer system. The paving of that thoroughfare has been assured by the City Trustees. Among those who are working for the system are Dr. N. T. Enloe, S. K. Troxel, Major Lon Bond, Charles Tripp, J. H. Minderman.

STOCKTON, San Joaquin Co., Cal.—The Clark & Henery Construction Co., 38 S. Sutter St., Stockton, has been awarded a contract by the City Council for the improvement of South El Dorado and Aurora streets.

SACRAMENTO, Cal.—Plans have been completed by the City Engineer for the improvement of the Alley between L and M, Twentieth and Twenty-first streets and bids for the work will be called for shortly. M. J. Desmond is City Clerk.

MARTINEZ, Contra Costa Co., Cal. A contract has been awarded to Paul & Sayles, 636 W. Vine street, Stockton, for the construction of a concrete street through the Shell property from the D. L. M. tract to the north gate of the company's plant. The work will cost about \$10,000.

SACRAMENTO, Cal.—The following bids were received by the California State Highway Commission for highway improvement:

Kern County, between Southerly Boundary and 2.3 miles south of Rose Station (VI-Ker-4-A), about 10.7 miles in length to be paved with Portland cement concrete.

No bids received:

Los Angeles County, between Santa Clara River and Williams Ranch (VII-LA-23-B), about 19-10 miles in length to be paved with Portland cement concrete.

Trenberast Contr. Co., L. A. \$37,999.80
Geo R. Curtis, L. A. 48,014.50
Richard Rockwell, L. A. 64,792.00
Chas D. Soterias, L. A. 43,208.20
M. F. Cummings, L. A. 54,985.20
Engineer's estimate, \$50,495.81.

MARTINEZ, Cal.—The Contra Costa County Supervisors have indefinitely postponed the construction of a road on Section No. 1, Division No. 21, beginning at the north end of Main St., to the town of Bay Point. Bids were to have been opened on August 18th.

REDDING, Shasta Co., Cal.—The contract for the paving of Market St. has been awarded by the City Trustees to the Chico Contracting Co., of Chico, at approximately \$40,000.

The award was held up by the courts through a writ of prohibition. A recent decision allowed them to award the contract.

EAGLE ROCK CITY, Los Angeles Co., Cal.—Bonds to the amount of \$57,000 for resurfacing with rock screenings and oil about 70 streets and \$35,000 for paving Central avenue were voted at a special election. Claude S. Bramble is the City Engineer. The streets to be resurfaced aggregate about 14 miles in length and average about 40 feet in width. The city will buy the oil and crushed rock and screenings and the surfacing will be done by the City Street Department. The paving of Central avenue will be done by contract. A 5-inch concrete pavement 30 to 40 feet in width will be laid on both sides of the street railway tracks for a distance of approximately 2,000 feet.

BAKERSFIELD, Kern Co., Cal.—Until 5 p. m., September 8, bids will be received by City Clerk V. Van Riper for improving Twenty-first street between H and L streets, 23rd and 24th streets between H street and Chester avenue, and H street between 20th and 24th streets, by grading and paving with 3-inch asphaltic concrete base and 1½-inch bitulithic surface and constructing concrete curbs and gutters and concrete and corrugated iron culverts. Work will be done under Improvement Act of 1915.

PORTLAND, Ore.—Two bids were received by the Oregon State Highway Commission, Yeon Bldg., Portland, for improving six miles of the Grove-McMinnville Highway. The bids were: Warren Construction Co., \$97,747; Washington County Court, \$43,530 on condition that the Commission furnish trucks to transport material.

The bids were laid over for further consideration.

LOS ANGELES, Cal.—Until 10 a. m. September 2, bids will be received by the Board of Public Works for constructing cement pipe sanitary sewers as follows:

Broadway between Pico and Tenth streets in the Broadway and Pico Street District. Ord. 39256.

Denver avenue between Slauson avenue and south terminus of Slau-son. Ord. 39255.

ASTORIA, Ore.—Plans have been approved by the City Council for the construction of a permanent sewer and drainage system for District No. 1, the work to cost about \$51,000.

GRASS VALLEY, NEVADA Co., Cal.—Among the budget items being considered by the Board of Trustees is the new water system connecting the city reservoirs with Washington and Auburn streets and the paving of streets along the route of the new highway.

MARTINEZ, Contra Costa Co., Cal.—Property owners in Escobar street are planning the improvement of that thoroughfare under private contract.

FRESNO, Fresno Co., Cal.—The City Council has awarded contracts for street improvements as follows:

Ventura Avenue and the approach to Park Boulevard Bridge to the California Road and Improvement Co., Bank of Italy Bldg., Fresno.

To Thompson Bros., 1514 "H" Street, Fresno, for the improvement of F Street and Thomas Avenue.

To Kaufeld & Tompkins, for the improvement of Cambridge Avenue.

LOS GATOS, Santa Clara Co., Cal.—The Town Trustees have instructed the Street Committee to secure estimates of cost for the construction of a storm sewer to carry surplus waters from College Avenue to the creek.

BENICIA, Solano Co., Cal.—The City Board of Trustees has passed a resolution of intention providing for the following work, and will call for bids within the next few weeks:

Construction of a sewer system in the East Side Sewer District No. 1, with 6-inch vitrified salt-glazed sewer pipe, 5 manholes, 9 inspection holes, 1 flush tank, 70 Y branches and other appurtenances.

J. C. McAravy is City Clerk.

BERKELEY, Alameda Co., Cal.—The City Council has adopted plans and passed a resolution of intention providing for the following work: That Fourth St. from Gilman St. to Harrison St. be graded, redwood curbs, concrete gutters and an asphalt macadam be constructed.

A. G. Briggs is City Clerk.

CORTE MADERA, Marin Co., Cal.—The State Railroad Commission has granted permission to the Corte Madera Water Company to raise its rates, provided that within thirty days the company start improvements on its present system.

RICHMOND, Contra Costa Co., Cal.—The contract for the improvement of 25th, 26th and 28th streets has been awarded by the City Council to J. E. Staniger, Point Richmond, at \$6,863.69.

L. L. Page \$7,250.39
Galbraith & Janes 7,483.09

RICHMOND, Contra Costa Co., Cal.—T. E. Clinch, 668 Ninth street, Richmond, submitted the low bid to the

City Council for the construction of a sewer in the Brown Andrade Tract. His bid was \$3,602.49.

Other bidders were:
Galbraith & Jones\$4,206.72
L. L. Page3,766.07
R. H. Downer4,388.99
W. J. Tobin5,701.12
J. E. Staniger4,024.34
The awarding of the contract was laid over for one week.

MERCED, Merced Co., Cal.—Blanchard, Crocker & Howell, 58 Second street, San Francisco, have been awarded a contract by the Merced County Supervisors for paving streets about the county court house. The work includes the paving of all entrances to Court House Park, the driveway surrounding the building and paving of streets about the grounds. The bid was: Grading, 2 cents per square foot; curbing, 50 cents per linear foot; paving, 14 cents per square foot; wearing surface, 2 cents per square foot; twelve-inch culverts, 2¢ per linear foot; twenty-two-inch culverts, \$3 per linear foot; twenty-six-inch culverts, \$3 per linear foot.

RICHMOND, Contra Costa Co., Cal.—The City Council at its next meeting will consider the improvement of Lowell, 24th and 26th streets, plans for the work having been completed by the City Engineer.

A. C. Faris is City Clerk.

ALTURAS, Modoc Co., Cal.—The County Supervisors have contracted with the U. S. Forest Service to build a paved road to the state line, the estimated cost being \$120,000. The county has voted \$400,000 for highway improvements, the state line road to be paid for from this issue.

The County Development Board is urging the construction of an all winter road from California to Nevada by way of Redding and Alturas.

SEATTLE, Wash.—City Engineer A. H. Dimock, at the last meeting of the Board of Public Works, submitted plans and estimates for the following street improvements:
Paving of Dexter Ave.....\$122,000
Paving of West 65th St.....78,441

REDWOOD CITY, San Mateo Co., Cal.—The County Supervisors have awarded a contract to A. H. Kopperud, 2030 High Street, Oakland, at \$4.85 per barrel for improving the Mountain Home Road from Woodside to Searsville with "Roadmate."

The only other bidder was Blanchard, Crocker & Howell of San Francisco, at \$6.00 per barrel.

SUTTER COUNTY ROAD SYSTEM LAID OUT.

YUBA CITY, Sutter Co., Cal.—August 28th is the date set by the County Supervisors to vote on the question of issuing and selling bonds of \$810,000 with which to finance construction of a modern county highway system. If the issue carries the following roads will be constructed:

Live Oak-Pennington Road.
Distance, 8.0 miles\$58,000.00
Road from Tahoe to Ukiah State

Highway to Live Oak Pennington Road.
Distance, 10.3 miles\$66,378.00
Road from Tahoe to Ukiah State Highway to Bogue Station.
Distance, 6.5 miles\$42,000.00
Nuestro-Terra Buena Road.
Distance, 2.2 miles\$15,349.00
Yuba City-Nicolaus Road.
Distance, 18.9 miles\$199,760.00
Nicolaus-Sacramento County Line Road.
Distance, 17.9 miles\$205,000.00
Nicolaus-Feather River Road.
Distance, 2.5 miles\$27,500.00
Long Bridge-Tarke Road.
Distance, 2.7 miles\$29,600.00
Knights Landing-Kirkville Road.
Distance, 8.9 miles\$97,900.00
Nuestro Lateral.
Distance, .9 of a mile\$5,800.00
Sanders Lateral.
Distance, .23 miles\$14,822.00
Pease Lateral.
Distance, 2.1 miles\$14,651.00
Bunce Lateral.
Distance, 1.3 miles\$13,740.00
Lincoln Lateral.
Distance, .9 of a mile\$5,850.00
Oswald Lateral.
Distance, 2.1 miles\$13,650.00

REDWOOD CITY, San Mateo Co., Cal.—At the last meeting of the San Mateo County Supervisors the following report was submitted by County Engineer George A. Kneass regarding the Gregorio-Tunitas Road:

"To put the road in a first class condition the following work should be done:

Provide for the proper drainage conditions; major portion of the road to be thoroughly scarified; placing of additional rock on the whole length of road, a layer of at least two inches in thickness, the whole reshaped, sealed and thoroughly rolled, followed up by an asphaltic oil and screenings surface. This work is estimated to cost \$10,200.00.

Briefly, the work would consist of grading, proper drainage, culverts, etc., and a waterbound macadam pavement seven inches in thickness with an asphaltic oil and screenings surface. This road would have a maximum grade of 7.80 per cent. Estimated cost, \$15,000.00."

EUREKA, Humboldt Co., Cal.—The City Engineer has been instructed to prepare plans and specifications providing for the grading of Brett Street between E and G Streets.

REDWOOD CITY, San Mateo Co., Cal.—Owing to protests the City Board of Trustees has decided to abandon the proposed improvement of Jefferson Avenue and Washington Streets.

MODESTO, Stanislaus Co., Cal.—The City Council is considering the purchase of the Modesto Gas Co.'s lighting system and the installation of a modern electrolier system. The electrolier system plan is favored and it is probable that a decision will be made in the near future.

REDWOOD CITY, San Mateo Co., Cal.—The City Trustees have instructed the clerk to advertise for bids for the construction of a small culvert in Webster Street near the City Hall.

HOLTVILLE, Imperial Co., Cal.—George R. Daley of San Diego, has been awarded a contract for paving several streets at Holtville, the total cost to amount to about \$200,000. A 5½-inch pavement will be constructed and Mr. Daley's bid was 35¢ per sq. ft. Work is to be commenced by next month.

MERCED, Merced Co., Cal.—The County Supervisors have rejected bids for the Hilmar-Irwin-Stevenson, the Merced-Snellings-Merced Falls, the Atwater-Winton highways and a section near Dos Palos. The bids were considered too high and the work was ordered started by day labor under the supervision of the County Highway Engineer.

Note.—While bids for the Merced-Snellings-Merced Falls were rejected, the Supervisors decided to award the contract for grading same to James Hannagan of San Benito, whose bid was 62½ cents per cubic yard.

MARTINEZ, Contra Costa Co., Cal.—Plans prepared by W. S. Farley, City Engineer, for a system of concrete streets have been adopted by the City Trustees. The work will cost in the neighborhood of \$100,000 and will include practically all streets on the north side of Main street west of Alhambra Creek. The streets included are Main, High, Talbert, Escobar, Berceles, Smith and Castro.

According to the plans submitted, the streets will be constructed of concrete with a 6-inch base and a wearing surface of Warrantite or a similar substance an inch and one-half in thickness. The streets will vary in width from 36 to 40 feet, according to the importance of the thoroughfare and there will be concrete curbs on each side.

SACRAMENTO, Cal.—Preparations are being made to launch a bond issue for \$1,250,000 with which to complete the present highway system. Two of the roads to be improved are the lower Stockton road to Franklin and the Jackson road from Perkins to a point eight miles east.

F. B. McKevitt is Sacramento County Highway Engineer.

GRASS VALLEY, Nevada Co., Cal.—The Grass Valley Trustees have voted to proceed with the paving of the line of the State Highway lateral across the Townsite, a distance of one and one-half miles.

The first work to be undertaken will be the paving of East Main St., connecting up the present pavement on lower Main street opposite the Frank building with the highway at the city limits. Other units will be taken up after this work is completed.

Albert Givan, Road Engineer, Forum Bldg., Sacramento, has been selected by the Board to prepare plans for the proposed work.

LONG BEACH, Los Angeles Co., Cal.—On recommendation of City Engineer Fred Hoffman the City Commission has authorized the Public Works Commissioner to prepare an ordinance of intention to pave with concrete and oil and rock screenings surface Olive avenue from First to Tenth street.

GLENDAL, Los Angeles Co., Cal.—Olmsted & Gillette, Hollingsworth Bldg., Los Angeles, consulting engineers, have been commissioned to prepare plans for a sewer system for the business district of the city.

RICHMOND, Contra Costa Co., Cal.—The City Council has adopted plans for the sewerage of Townsbury and East Richmond tracts. After a resolution of intention is passed bids for the work will be called for.
A. C. Faris is City Clerk.

OAKLAND, Cal.—The City Council, L. W. Cummings, City Clerk, have awarded contracts for street improvements as follows:

To the Oakland Paving Co., 5000 Broadway, Oakland, for the improvement of the west half of Jefferson street from 10th street to 11th street and the east half of Jefferson street from 10th street to a line parallel 100 feet south, by the construction of concrete curbs, brick gutters 14 inches wide and paved with an asphalt pavement; also the west half of Jefferson street from 11th to 12th street and re-setting of granite curbs on the west side of Jefferson from 11th to 12th street.

To the Oakland Paving Company, 5000 Broadway, Oakland, for the improvement of 34th avenue from Paxton street to the northeast line of lot 6 in the "Edwards Tract," and Davis street from Peralta to 34th avenue by grading, redwood curbing, concrete gutters 3 feet wide and paving with oil macadam.

To Hutchinson Co., 444 17th street, Oakland, for the construction of a concrete culvert in Kingsland avenue, construction of vitrified pipe conduits, and the construction of brick manholes with cast iron tops.

Hutchinson Co. was also awarded the contract for the improvement of 35th avenue from East Tenth street to 35th avenue, etc., by grading, construction of concrete curbs and gutters, 3 feet wide, laying an oil macadam pavement and the construction of cement sidewalks six feet wide.

LOS ANGELES, Cal.—Wm. W. Gosling, 3853 Montclair St., Los Angeles, was awarded the contract at \$24,888, for constructing a cement pipe sewer in Homer street between Avenue 23 and its north terminus at other streets in Homer street sewer district.

SAN BERNARDINO, Cal.—County Highway Commissioner L. R. Lothrop is completing specifications for paving Mt. Vernon avenue, from Fifth St. to the north city limits, and bids will be called for in a few days. An appropriation of \$20,000 was made for a concrete pavement 16 feet wide.

TURLOCK, Stanislaus Co., Cal.—The City Trustees have approved plans and specifications for the improvement of several streets and avenues and a call for bids will be issued in the near future.

Eight streets are included in the paving district which will cover nearly two miles.

SAN FRANCISCO.—Bids for paving Sections 2 and 3 of the Sea Wall on

the water front of San Francisco, were opened August 20th by the Harbor Commissioners as follows:

Pay Improvement Co., \$15,084.79 and \$13,163.51.
Ed. J. Treacy & Co., \$14,064.45 and \$12,789.70.

Blanchard, Crocker & Howell, \$12,669.20 and \$9,604.52.

E. M. Chadbourne, \$15,263.40.

Raisch Improvement Co., \$15,388.01 and \$13,412.95.

D. O. Church, \$12,938.45.

Healy-Tibbetts Construction Co., \$14,186.24.

OAKLAND, Cal.—The City Council has passed resolution of intention providing for the improvement of Washington street between First and Second streets by grading, resetting granite curbs and basalt gutters and paving with an asphalt pavement. L. W. Cummings is City Clerk.

SACRAMENTO, Cal.—The County Supervisors have ordered bids received up to September 3rd, 10 A. M., for the paving of the following roads:

Portions of Winding Way Road.
Portions of Jackson Road and the paving of the Placerville road from Mills Station six miles eastward.

Former bids received for this work were rejected by the Supervisors as being too high.

Bids have also been ordered received, to close on the same date, for the grading work to be done on the county hospital grounds.

Plans may be had from the County Clerk at Sacramento.

EUREKA, Humboldt Co., Cal.—Owing to increased work in the office of City Engineer H. H. Hannah the City Council has secured the services of Ed. Bovine of San Francisco to assist in the work.

Among street improvements in the City Engineer's hands now are the Fourth and Broadway Street highway, A Street, Del Norte Street, Fifth Street, Brett Street and several sewer improvements.

LOS ANGELES, Cal.—White & Gaskill, Long Beach, submitted the lowest bid at \$218,000 for constructing an oil macadam road with disintegrated granite base on Sierra Madre road, Hovey Ave., A St. and Reed road in Road Improvement District No. 149. The road to be improved extends from Lancaster to Redman in Antelope valley and is 14.19 miles in length. The other bids received by the board of supervisors were as follows: Rogers Bros., \$222,000; Geo. S. Benson & Sons, \$234,500; Geo. R. Curtis, \$260,000; R. T. Shea, \$261,000; and Richard Rothwell, \$269,000. The bids were referred to the road committee of the supervisors.

PETALUMA, Sonoma Co., Cal.—Property owners having failed to provide for the construction of sidewalks in portions of Western Avenue and English Street in the Western Addition, the Council has decided to undertake the work and charge same to the property.

MERCED, Merced Co., Cal.—The City Council, J. D. Wood, City Clerk,

has awarded contracts to A. Teichert & Son, Ochsner Bldg., Sacramento, for the following street improvements:

Alley in block 106 by grading, construction of concrete curbs and paving with a 4-inch hydraulic cement concrete base.

Alley in Block A, by grading, construction of concrete curbs, and paved with a 4-inch hydraulic cement concrete base, also for the installation of drains with concrete manholes and cast iron covers.

MERCED, Merced Co., Cal.—Bids will be received by the City Council, J. D. Wood, City Clerk, up to September 2nd, 8 p.m., for the improvement of the Alley in Block 105 by grading, construction of concrete curbs and paving with a 4-inch hydraulic cement concrete base.
Plans may be had from the City Clerk.

PETALUMA, Sonoma Co., Cal.—The City Council has approved the plans of Engineer W. C. Howe, of the engineering firm of Howe and Peters, for the proposed improvement of Main and Third Streets and a call for bids will be issued within the next few days.

MARTINEZ, Contra Costa Co., Cal.—The County Supervisors, J. H. Wells, County Clerk, has been instructed to call for bids for rock for the Franklin Canyon Road.

Bids have also been ordered received for the construction of two concrete culverts on the Walnut Creek road and for the construction of a bridge at Walnut Creek.

R. R. Arnold is County Surveyor.

SANTA CRUZ, Santa Cruz Co., Cal.—Bids will be received by the City Council, up to September 2nd, 10 a. m., for the construction of a storm water drain on Seabright Avenue, from Pine Street to James Street, a distance of 596 feet. Said drain to be constructed of concrete cement pipe of 18 inches internal diameter, similar and equal to 18-inch concrete pipe.

Plans may be had from S. A. Evans, City Clerk.

STOCKTON, San Joaquin Co., Cal.—Bids will be received by the City Council, G. W. Pulich, City Clerk, up to September 10th, 10:30 a.m., for the following improvement of the following streets:

Worth and Anderson, each from the west line of Ophir to the west line of East.

Ophir and Sierra Nevada, each from the south line of Taylor to the south line of Anderson.

That the west half of East from the south line of Taylor to the south line of Anderson.

Be improved by grading, concrete curbs and gutters, sidewalks be constructed and paving the roadway.

SAN FRANCISCO.—The improvement of Tennessee street between 18th and 19th streets by resetting existing curbs and constructing an asphalt pavement. Awarded to the Blanchard, Crocker & Howell Co., 53 Second Street.

The improvement of Hale street between San Bruno avenue and Merrill street, grading, construction of an 8-inch vitrified, salt-glazed, ironstone pipe sewer and 22 Y branches and one brick manhole, concrete curbs, artificial stone sidewalks, 4 brick catchbasins and an asphalt pavement.

Awarded to C. B. Eaton, 407 11th St.

SANTA ROSA, Sonoma Co., Cal.—Plans and specifications have been approved by the City Council for the improvement of E Street and a resolution of intention has been passed providing for the work.

STOCKTON, San Joaquin Co., Cal.—The County Supervisors have awarded a contract to R. C. Tumulty, 1915 N. El Dorado St., Stockton, for the paving of a short stretch of Louie Avenue, adjoining Lodi, on his bid of \$1,182.87.

SAN FRANCISCO.—The following bids were opened by the Board of Public Works for furnishing 350 meters for use of the Municipal Plant:

Neptune Meter Co.	\$3,748.50
National Meter Co.	3,668.00
Worthington Co., Los Angeles	3,307.50

WESTGATE, Los Angeles, Cal.—The Los Angeles City Council has called a special election in the Westgate district for August 28 to vote on the proposition of issuing bonds in the sum of \$700,000 for the construction of a water distributing system for that district.

FLAGSTAFF, Ariz.—The city council has rejected the bid of the Southwestern Contracting Co. of Phoenix, at \$101,700 for paving fourteen blocks in the northeastern section of the city. The cost of the improvement was considered too high for the property owners to bear alone and it is probable that an agreement will be made whereby the city will stand a portion of the expense.

SAN MATEO, San Mateo Co., Cal.—No action was taken on the proposed paving of Sixth, Seventh, Eighth and Ninth Avenues between D Street and the railroad, as protests on the work were filed. The Trustees expect to render a final decision at the next meeting.

RICHMOND, Contra Costa Co., Cal.—Bids will be received by the City Council, A. C. Faris, City Clerk, up to September 2nd, 8:30 p.m., for the following work:

That 6-inch sewers of standard salt glazed, vitrified sewer pipe be constructed as follows:

In McBryde Ave. bet. San Pablo Ave. and Sonoma St., in Esmond and Garvin Aves. bet. San Pablo Ave. and Kern St.; in Solano Ave. bet. McLaughlin Ave. and Key Blvd.; in Clinton Ave. bet. San Pablo Ave. and Humboldt St.; in rear of lots in Block 9 of the Tewksbury Heights Tract; in Sonoma and Yuba Sts. bet. Esmond and McBryde Aves.; in Kern St. bet. Garvin and McBryde Aves.; in Key Blvd. bet. Garvin Ave. and the N. boundary line of the City, and bet.

Roosevelt and Sierra Aves.; in Humboldt, Ventura and Lassen Sts. bet. Key Blvd. and the N. boundary line of the City; and in McLaughlin St. and San Pablo Ave. bet. Roosevelt Ave. and the N. boundary line of the City.

That 8-inch sewers of standard salt glazed, vitrified sewer pipe be constructed in Key Blvd. bet. Garvin Ave. and Ventura St.

That 10-inch sewers of standard salt glazed, vitrified sewer pipe be constructed in Key Blvd. bet. Ventura St. and Sierra Ave., and in Sierra Ave. bet. Key Blvd. and San Pablo Ave.

That manholes of brick and cement concrete with cast iron rims and covers; lampholes of standard salt glazed, the south. boundary lines of Richmond Fifth Addition be graded and paved with a 5-inch cement concrete base, and a wearing surface of asphalt and broken rock; that curbs, gutters, sidewalks and wing walls of cement concrete be constructed, and that curbs and gutters of cement concrete be reconstructed on Twenty-fifth St. bet. the south. line of Richmond Fifth Addition and Grant Ave.

That Lowell Ave. bet. the west. line of Twenty-third St. and the east. line of Twenty-sixth St. and Twenty-fourth and Twenty-sixth Sts., bet. Rheem and Humphrey Aves., be graded to the official lines and grades; paved with a 5-inch concrete base with a wearing surface of asphalt and broken rock.

That curbs, gutters, sidewalks, wing-walls and portals of cement concrete; curb bars of galvanized steel, and cu'vets of corrugated iron or steel and cement concrete, be constructed.

That 10-inch sewers of standard salt glazed, vitrified sewer pipe be constructed in Twenty-third St. bet. the north. line of Lowell Ave. and the south. line of Andrade Boulevard.

That 6-inch sewers of standard salt glazed, vitrified sewer pipe be constructed in Lowell Ave. bet. the west. line of Twenty-third St. and the east. line of Twenty-sixth St.

That manholes of brick and cement concrete, with cast iron rims and covers, and a tee branch and wye branches of standard salt glazed, vitrified sewer pipe, be constructed.

That Barrett Ave. bet. Garrard Blvd. and the east. line of the right-of-way of the S. P. Co., be repaved with a wearing surface of asphalt and broken rock.

Sub-figures Being Taken. To Be Done by Day Work.

WAREHOUSE Cost, —
LOS ANGELES. 2417 McPherson St. Three-story brick warehouse building, 40x145.

Owner—Economy Paper Co.
Architect—J. M. Cooper, 334 Marsh-Strong Bldg., Los Angeles.

RAILROADS.

SANTA ROSA, Sonoma Co., Cal.—The Board of Directors of the Petaluma and Santa Rosa Railway has instructed General Manager E. H. Maggard, to proceed with the plans of extending the Forestville branch of the system to Mirabel Park on the Russian River, contingent upon securing free rights-of-way. This extension will cover about two miles.

FIRE EQUIPMENT.

EAGLE ROCK, Los Angeles Co., Cal.—The Board of Trustees of the City of Eagle Rock will receive bids up to 5 o'clock P. M., September 1, for furnishing one chemical fire engine, mounted on a Ford automobile or auto truck, cost not to exceed \$1500 fully equipped. Benj. B. Martsoff, City Clerk.

CHICO, Butte Co., Cal.—Bids received by the City Trustees for furnishing and delivering a triple combination motor fire truck have been taken under advisement. Bids were received for three different machines: Seagrave, American-La France and Mack. The new apparatus will include a 500-gallon booster pump, a large chemical tank and from 1200 to 1500 feet of hose.

O. E. Tracy is chairman of the committee who shall make the selection of the truck to be purchased.

WATSONVILLE, Santa Cruz Co., Cal.—The Trustees of the Watsonville Union High School District have awarded a contract to the Palero Valley Mercantile Co., Watsonville, to furnish four Dodge-Graham trucks for use in transporting pupils to and from the school.

The bid was \$3,000 per truck.

THANK HEAVEN PEACE HAS COME.

Charlie: I hear Mr. Bigwad has called his new mansion the League of Nations. That's a peculiar name.

Henrie: Well, it has Grecian pillars, a Dutch roof, a Japanese sun garden, French windows, Turkish rugs and a Spanish tile roof. He thought the name was apropos.

ON BATH NIGHT ONLY.

Engineer: What size water system do you want?

Councilman Fogarty of Irishtown: Four thousand gallons a day on week days and Sundays and tin thousand gallons on Saturday nights.

HOWARD OF TRENTON POTTERIES ON VISIT TO MAIN FACTORY.

The smiling face of P. F. Howard will be missed by members of the Building Industries Association, especially the plumbers, for the next few weeks, as Howard has left for Trenton, N. J., where he will visit the main factory of the company. On his return he promises to have many new things to tell his friends regarding the products which his firm is turning out.

The local offices of the Trenton Potteries Company is maintained in the Monadnock Building.

PERHAPS HIS NAME WAS BILL.

Oh, contractor, come build my house,
Come, build and build and build.
Alas he came and built my house
And billed and billed and billed.

CONTRACTS AWARDED

Liens, Acceptances, Etc.

BUILDING CONTRACTS.

San Francisco County.

No.	Owner	Contractor	Amt.
1692	Ireland	Haun	500
1693	Toner	Hurley	500
1694	Marvin	Leiter	1200
1695	Allen	Ostlund	2000
1696	Gorman	Gorman	2000
1697	Bernstein	Holmgren	2500
1698	Balfour	Williams	16640
1699	Gietzen	Guilfoxy	1194
1700	Same James & Drucker		1995
1701	Same	Whitmore	1045
1702	Same	Fontenella	12200
1703	Same	Forbes	10145
1704	Lewis	Hoin	5400
1705	Cancilla	Monson	5000
1706	Cerruti	Trevia	22925
1707	Nelson	Nelson	3000
1708	Nelson	Nelson	3000
1709	Nelson	Nelson	3000
1710	Nelson	Nelson	3000
1711	Goldsmith	Western Hdw	850
1712	Cal. Phono	W. Hdw	850
1713	Arata	Central	700
1714	Crux	Butler	900
1715	Searles	Persson	400
1716	Hausman	Owner	400
1717	Shell Oil	Clinton	16000
1718	Marrock	Owner	2000
1719	Hillard	Peterson	19000
1720	Same	Otis	3060
1721	Same	Hogberg	13200
1722	Same	Amsler	1950
1723	Same	Smith	25170
1724	Same	Gilley	6543
1725	Same	Bender	408
1726	Same	Conlin	2690
1727	Same	Neal	9000
1728	Same	Decker	7500
1729	Same	Snook	10778
1730	Hillard	Geary	6150
1731	Same	Fuller	2800
1732	Same	Johnson	21598
1733	Same	Rigney	4200
1734	Sargent	Agmar	552
1735	Sargent	Morehouse	1120
1736	Heine	Owner	35000
1737	City of Paris	Wagner	50000
1738	Anderson	Owner	6000
1739	Gilbert	Byrkman	450
1740	Spring Valley	Maas	666
1741	Morbio	Owner	4000
1742	Peninsula	Lange	1000
1743	Braun	Flaherty	475
1744	Langdon	Owner	500
1746	Towle	Petersen	1300
1746	Edelstein	Abrahams	6000
1747	Glacobb	Lechner	9000
1748	Denning	Hoyt	5000
1749	Dean	Arnold	3000
1750	Magnus	Owner	3500
1751	Funston	Hannah	500
1752	Cox Est.	Zimmerman	400
1753	Rec. Com.	Vowinkel	4750
1754	Rec. Com.	Vowinkel	3562
1755	Cal. Brew'g	Barrett	2400
1756	Hanson	Barrett	3500
1757	Kern	Barrett	10000
1758	Lafayette	Cavanaugh	71530
1759	McCreery	Gilson	3000
1760	Sperry	Duncan	3500
1761	Siebrecht	Lapham	11000
1762	Brickell	Collman	8200
1763	Otis	Vogt	24328
1764	Pickering	Owner	7000

cifications filed.

1765	McCarthy	Arnott	2500
1766	Prior	Swenson	400
1767	Tovaroz	Home	4300
1768	McLaughlin	Fennell	1000
1769	Royal Soap	Diestel	980
1770	Foorman	Urfer	435
1771	Langdon	Owner	500
1772	Condon	Butcher	400
1773	Tagliani	Pastorini	700
1774	Germano	Amaroso	600
1775	Rosenthal	Grant	575
1776	Alden	Owner	400
1777	McTigue	Owner	400
1778	Gietzen	Tittle	1596
1779	Gietzen	Soule	2085
1780	Billings	Sorenson	62949
1781	Gump	Bateman	6150

CEMENT WORK

(1692) NO. 764 ELIZABETH. Cement work, etc., in basement. Owner—E. L. Ireland, Premises. Architect—None. Contractor—C. C. W. Haun, 180 Jessie, San Francisco.

COST, \$500

ALTERATION

(1693) NO. 4675 EIGHTEENTH. Alteration for garage. Owner—Mrs. Toner, 85 Henry, San Francisco. Architect—None. Contractor—P. J. Hurley, 146 Herman, San Francisco.

COST, \$500

ADDITION

(1694) NO. 2710 BROADWAY. Add one room and bath to dwelling. Owner—Marvin Curtis, 412 Call Bldg., San Francisco. Architect—Edw. G. Bolles, 233 Post, San Francisco. Contractor—E. T. Leiter, 412 Call Bldg., San Francisco.

COST, \$1200

PARTITIONS

(1695) NO. 135 KEARNY. Wood and glass partitions. Owner—Wiley B. Allen Co., 135 Kearny, San Francisco. Architect—C. F. Plummer, Los Angeles, Cal.

Contractor—Ostlund — Johnson, 1901 Bryant, San Francisco.

COST, \$2000

FLATS

(1696) CULEBRA TERRACE 28 N Chestnut. Two-story frame (2) flats. Owner—Mrs. Mary T. Gorman, 1156 Chestnut, San Francisco. Architect—None. Contractor—Richard P. Gorman, 1156 Chestnut, San Francisco.

COST, \$2000

(1697) E TWENTY-SECOND 90 N Vicente. One-story and basement frame dwelling. Owner—Isaac Bernstein, 1999 Geary, San Francisco. Architect—None. Contractor—Victor Holmgren.

COST, \$2500

(1698) SE CALIFORNIA AND Sansome, S 89xE 129.9%. Receive, unload, store, distribute and paint structural steel and cast iron bases for a 12-story Class A office Bldg. Owner—The Balfour-Guthrie Investment Co., by P. J. Walker Co., agent, Monadnock Bldg., San Francisco.

Architect—Geo W. Kelham, Sharon Bldg., San Francisco.

Contractor—J. G. Williams Construction Co., 519 California, San Francisco.

Filed Aug. 18, '19. Dated Aug. 8, '19. Payments semi monthly of 75%
On completion 25%

TOTAL COST, \$16,640
Bond, \$8,320. Sureties, The Fidelity & Casualty Co. Forfeit, none. Limit, 35 days. Plans and specifications filed.

(1699) S POST 87-6 E Larkin, E 100xS 137-6. Galvanized iron work for a one-story, mezzanine and basement reinforced concrete building.

Owner—Jacob Gietzen, 3312 Mission, San Francisco.

Architect—W. H. Crim, Jr., 425 Kearny, San Francisco.

Contractor—Guilfoxy Cornice Works, 209 8th, San Francisco.

Filed Aug 18, 19. Dated Aug. 8, '19. On 1st and 15th of each month 75%
Usual 35 days 25%

TOTAL COST, \$1194
Bond \$600. Sureties, Jas Guilfoxy and Howard C. Castle. Forfeit, \$20. Limit 10 days after roof is on. Plans and specifications filed

(1700) PLUMBING AND GAS FITTING on above.

Contractor—James & Drucker, 450 Hayes, San Francisco.

Filed Aug 18, '19. Dated Aug. 8, '19. Payments same as above.

TOTAL COST, \$1995
Bond, \$1,000. Sureties, Oscar H. Countryman and Geo. F. Rueter. Forfeit, \$20 Limit, 10 days after 2nd coat of paint is on. Plans and specifications filed.

(1701) INTERIOR AND EXTERIOR plastering on above.

Contractor—G. E. Whitmore, 5 Alma, San Francisco.

Filed Aug 18, '19. Dated Aug. 8, '19. Payments same as above.

TOTAL COST, \$1045
Bond, \$530. Sureties, Maryland Casualty Co. Forfeit \$20. Limit, 12 days after building ready for lathing. Plans and specifications filed.

(1702) CARPENTRY WORK, MILL work, mastic flooring, stair building, glass and glazing on above.

Contractor—Louis Fontenella, 1920 Pine, San Francisco.

Filed Aug 18, '19. Dated Aug. 8, '19. Payments same as above.

TOTAL COST, \$12,200
Bond \$6,100. Sureties, United States Fidelity and Guaranty Co. Forfeit, \$20. Limit, 75 days. Plans and specifications filed.

(1703) CONCRETE, REINFORCED concrete, etc., on above.
Contractor—R. J. H. Forbes, 180 Jessie, San Francisco
Filed Aug. 18, '19. Dated Aug. 8, '19.
Payments same as above.

TOTAL COST, \$10,145
Bond, \$5,075. Sureties, John Cassarretto and Emil Hoberg. Forfeit, \$20. Limit, 75 days. Plans and specifications filed.

(1704) S POST 28 W Meacham Place W 28xS 54-3. All work except window shades and electric fixtures for a one-story and basement brick building.

Owner—Edw. and Henrietta Lewis.
Architect—None.
Contractor—Theo S. Hoin, 1739 Washington St., San Francisco.

Filed Aug. 18, '19. Dated Aug. 16, '19.
Walls up\$1350
Brown coated 1350
Completed and accepted 1350
Usual 35 days 1350

TOTAL COST, \$5,400
Bond, \$2,700. Sureties, Massachusetts Bonding and Investment Co. Forfeit, \$15. Limit, 40 days. No plans or specifications filed.

ALTERATIONS

(1705) S Filbert 82-6 E Jones, E 40x S 137-6. One-story frame store building and alterations to old building.

Owner—Vincent and Rose Cancilla, 971 Filbert, San Francisco.
Architect—W. J. Cuthbertson, 2265 Market, San Francisco.

Contractor—F. Monson, 180 Jessie, San Francisco.
Filed Aug. 18, '19. Dated Aug. 12, '19.

Frame up and old building moved in place\$1250
Rough plumbing in and brown coated 1250
Completed and accepted 1250
Usual 35 days 1250

TOTAL COST, \$5,000
Bond, \$2,500. Sureties, Chas Monson and O. Monson. Forfeit \$5. Limit, 90 days. Plans and specifications filed.

GARAGE

(1706) — TAYLOR and Chestnut, N 72xS 145. All work for two-story reinforced concrete garage Bldg.

Owner—Edw. Cerruti, 901 Columbus Ave., San Francisco.
Architect—P. Righetti, Phelan Bldg., San Francisco.

Contractor—G. Trevia, 400 Bay St., San Francisco.
Filed Aug. 18, '19. Dated July 22, '19.

Foundations and forms for 1st story in\$4295
1st story walls poured and 2d story floor slab in 4295
2nd story walls finished and roof covered 4295
Completed and accepted 4295
Usual 35 days 6745

TOTAL COST, \$22,925
Bond, \$11,500. Sureties Angelo V. Garassino and Domenico Trevia. Forfeit, \$25. Limit, 80 days. Plans and specifications filed.

(1707) NW WAWONA 275 SW Vicente. One-story and basement frame dwelling.

Owner—F. Nelson & Sons, 2701 Linway, San Francisco.
Architect—None.
Day's work. COST, \$3,000

DWELLING

(1708) W WAWONA 120 S Ulloa. One-story and basement frame dwelling.

Owner—F. Nelson & Sons, 2701 Linway, San Francisco.
Architect—None.

Day's work. COST, \$3,000

DWELLING

(1709) W MADRONE 75 N Vicente. One-story and basement frame dwelling.

Owner—F. Nelson & Sons, 2701 Linway, San Francisco.
Architect—None.

Day's work. COST, \$3,000

DWELLING

(1710) E MADRONE 225 N Vicente. One-story and basement frame dwelling.

Owner—F. Nelson & Sons, 2701 Linway, San Francisco.
Architect—None.

Day's work. COST, \$3,000

ALTERATION

(1711) NO. 1455 FILLMORE. Alter front.

Owner—Emma Goldsmith, 1st National Bank Bldg., San Francisco.
Architect—None.

Contractor—Western Hardware Mfg. Co., 1034 Golden Gate Ave., San Francisco.

COST, \$850

ALTERATION

(1712) NO. 1009 Market. Alter front and rebuild mezzanine floor.

Owner—California Phonograph Co.
Architect—None.

Contractor—Western Hardware Mfg. Co., 1034 Golden Gate Ave., San Francisco.

COST, \$850

ALTERATION

(1713) NO. 734-36 PACIFIC. Cut opening in wall.

Owner—Paul Arata, 1124 Clay St., San Francisco.
Architect—None.

Contractor—Central Iron Works, 2050 Bryant, San Francisco.
COST, \$700

UNDERPINNING

(1714) NO. 2515 BROADWAY. Underpinning.

Owner—Geo. A. Crux, Premises
Architect—D. J. Patterson, Maskey Bldg., San Francisco.

Contractor—J. J. Butler, Builders' Exchange, San Francisco
COST, \$900

BALCONY

(1715) NO. 134 Minna. Erect balcony.

Owner—Malles Searles, Premises.
Architect—None.

Contractor—Persson & Lee, 434 Grove San Francisco.
COST, \$400

(1716) NO. 278 RANDALL. Finish attic room.

Owner—W. E. Hausman, Premises.
Architect—None.

Day's work. COST, \$400

RESIDENCE

(1718) W FOREST AVE. 233 N Vicente. Two-story and basement frame residence.

Owner—M. C. Marlock, 820-2nd Ave., Burlingame.

Architect—None.
Day's work. COST, \$2,000

APARTMENT HOUSE

(1719) NW LAUREL and Washington, W 82-6xN 100. All work for concrete and fireproofing of Class "A" apartment house.

Owner—C. J. Hillard, 19th and Minnesota, San Francisco.

Architect—Alfred Henry Jacobs, 110 Sutter St., San Francisco.

Contractor—H. L. Peterson, Lick Bldg., San Francisco.

Filed Aug. 19, '19. Dated July 14, '19.
Work up to 3rd floor poured\$4383
Work up to 5th floor poured 4383
Work up to roof & pent house 4383
Completed and accepted exclusive of sidewalks 1101
Usual 35 days 4750

TOTAL COST, \$19,000
Bond, \$19,000. Sureties, New Amsterdam Casualty Co. Forfeit, none. Limit, without delay. Plans and specifications filed.

(1720) ELEVATOR WORK on above.

Contractor—Otis Elevator Co., Beach and Stockton, San Francisco.

Filed Aug. 19, '19. Dated July 14, '19.
On delivery of engines 1/2
In position 1/4
Running 1/4

TOTAL COST, \$3,060
Bond, Sureties, Forfeit, Limit, none. Plans and specifications filed.

(1721) BRICK AND HOLLOW TILE work on above.

Contractor—Emil Hogberg, 180 Jessie, San Francisco.

Filed Aug. 19, '19. Dated July 14, '19.
3rd story window sills set\$3,000
Extension wall completed 6000
Completed 900
Usual 35 days 3300

TOTAL COST, \$13,200
Bond, \$13,200. Sureties, New Amsterdam Casualty Co. Forfeit, none. Limit, 30 days after notification. Plans and specifications filed.

(1722) PATENT FLUE on above.

Contractor—Chas. S. Amsler, 25 Shotwell, San Francisco.

Filed Aug. 19, '19.
Up to 4th floor\$700.00
Completed 762.50
Usual 35 days 487.50

TOTAL COST, \$1,950
Bond, Sureties, Forfeit, none. Limit, without delay. Plans and specifications filed.

(1723) METAL FURRING LATHING, exterior and interior plastering on above.

Contractor—James F. Smith, 273 Minna, San Francisco.

Filed Aug. 19, '19. Dated July 31, '19.
Laths and channels delivered\$5,000.00
Furred and lathed 5500.00
Brown coated 3500.00
Completed 4877.50
Usual 35 days 6292.50

TOTAL COST, \$25,170
Bond, \$25,170. Sureties, New Amsterdam Casualty Co. Forfeit, none. Limit, as required. Plans and specifications filed.

(1724) STEAM HEATING AND HOT water systems on above.
Contractor—Gilley-Schmitt Co., 198 Otis St., San Francisco.
Filed, Aug. 19, '19. Dated July 16, '19.
Roughed in\$3271.50
Completed1635.75
Usual 35 days1635.75

TOTAL COST, \$6543
Bond, \$6543. Sureties, New Amsterdam Casualty Co. Forfeit, none. Limit, without delay. Plans and specifications filed.

(1725) COMPOSITION ROOFING on above.
Contractor—J. W. Bender Roofing & Paving Co., Monadnock Bldg., San Francisco.
Filed, Aug. 19, '19.

Completed\$306
Usual 35 days102
TOTAL COST, \$408
Bond, Sureties, Forfeit, none. Limit, without delay. Plans and specifications filed.

(1726) SHEET METAL WORK on above.
Contractor—Conlin & Roberts, 410 Natoma, San Francisco.
Filed, Aug. 19, '19.

Completed\$2767.50
Usual 35 days922.50
TOTAL COST, \$3690
Bond, Sureties, Forfeit, none. Limit, without delay. Plans and specifications filed.

(1727) PAINTING ON ABOVE.
Contractor—L. J. Neal, 455 Hayes, San Francisco.

Filed Aug. 19, '19. Dated July 8, '19.
One-half completed\$3000
Completed3750
Usual 35 days2250
TOTAL COST, \$9000
Bond, \$9,000. Sureties, New Amsterdam Casualty Co. Forfeit, none. Limit, 60 days. Plans and specifications filed.

(1728) ELECTRIC WORK on above.
Contractor—Decker Electrical Construction Co., 149 New Montgomery St., San Francisco.

Filed Aug. 19, '19. Dated July 14, '19.
3rd floor roughed in\$1875
Completely roughed in1875
Completed and accepted1875
Usual 35 days1875

TOTAL COST, \$7500
Bond, \$7,500. Sureties, New Amsterdam Casualty Co. Forfeit, Limit, none. Plans and specifications filed.

(1729) PLUMBING ON ABOVE.
Contractor—Frederick W. Snook Co., 594 Clay, San Francisco.

Filed, Aug. 19, '19. Dated July 14, '19.
Roughed in\$5289.00
Completed2644.50
Usual 35 days2644.50

TOTAL COST, \$10,578
Bond, \$10,359. Sureties, New Amsterdam Casualty Co. Forfeit, none. Limit, 60 days. Plans and specifications filed.

The following contracts on above were also filed: Geary Floor Co., \$6,150; W. P. Fuller Co., \$2,800; J. Harold Johnson, \$21,598; Thos. F. Regney, \$4,200.

Also the following other jobs were filed for record:

George C. Sargent, owner with

Paul Agmar, contractor, Frank M. Garden, architect, for painting residence at 2235 Lake St., \$552. Lathing and plastering on same to C. C. Morehouse for \$1120. Full particulars tomorrow.

SHOPS

(1717) NW MARIN and Illinois. Two-story concrete and steel machine shops, 37x102.

Owner—Shell Oil Co. of California, 343 Sansome, San Francisco.

Architect—None.
Contractor—Clinton Construction Co., 140 Townsend, San Francisco.
COST, \$16,000

APARTMENTS

(1730) NW LAUREL AND WASHINGTON W 82-6XN 100. Sleepers and hardwood flooring for a five-story Class "A" apartment house.

Owner—C. J. Hillard, 19th and Minnesota, San Francisco.

Architect—Alfred Henry Jacobs, 110 Sutter St., San Francisco.

Contractor—Roy Geary as Geary Floor Co., 110 Jessie St., San Francisco.

Filed Aug. 19, '19. Dated July 30, '19.
All flooring and sleepers laid\$2307.50
Completed2307.50
Usual 35 days1535.00
TOTAL COST, \$6150

Bond, \$6150. Sureties, New Amsterdam Casualty Co. Forfeit, none. Limit, 60 days. Plans and specifications filed.

(1731) GLASS, GLAZING AND MIRROR work on above.

Contractor—W. P. Fuller & Co., SW Beale and Mission, San Francisco

Filed Aug. 19, '19. Dated July 29, '19.
Completed\$2100
Usual 35 days700
TOTAL COST, \$2800

Bond, Sureties, Forfeit, none. Limit, 60 days. Plans and specifications filed.

(1732) CARPENTER, MILL WORK and joinery on above.

Contractor—J. Harold Johnson, 180 Jessie, San Francisco.

Filed Aug. 19, '19. Dated July 14, '19.
Window frames set\$3,000.00
Ready for plastering4500.00
Standing trim in place4000.00
Completed4698.50
Usual 35 days5399.50
TOTAL COST, \$21,598

Bond, \$21,598. Sureties, New Amsterdam Casualty Co. Forfeit, none. Limit, 60 days. Plans and specifications filed.

(1733) TILE WORK on above.
Contractor—Thomas F. Rigney, 180 Jessie, San Francisco.

Filed Aug. 19, '19. Dated July 25, '19.
Baths completed\$1200
Completed1950
Usual 35 days1050
TOTAL COST, \$4200

Bond, \$4200. Sureties, New Amsterdam Casualty Co. Forfeit, Limit, none. Plans and specifications filed.

PAINTING

(1734) NO. 2235 LAKE ST. All work for painting residence.

Owner—George C. Sargent, Hobart Bldg, San Francisco.

Architect—Frank M. Garden, 1215 Filbert, San Francisco.

Contractor—Paul Agmar, 433 California, San Francisco.

Filed Aug. 19, '19. Dated Aug. 15, '19.

On completion of work except cement coating\$170
Completed and accepted243
36 days after139

TOTAL COST, \$552
Bond, \$300. Sureties, Maryland Casualty Co. Forfeit, none. Limit, 60 days. Specifications only filed.

(1735) LATHING AND PLASTERING on above.

Contractor—C. C. Morehouse, 872 Folsom, San Francisco.

Filed Aug. 19, '19. Dated Aug. 14, '19.

On completion75%
36 days after25%

TOTAL COST, \$1120
Bond, \$600. Sureties, United States Fidelity & Guaranty Co. Forfeit, none. Limit, 20 days. Specifications only filed.

LOFTS AND OFFICES

(1736) E STOCKTON 49-6 N Sutter. Eight-story concrete lofts and offices.

Owner—Heine Plano Co, 37 Stockton, San Francisco.

Architect—J. C. Hladik, Monadnock Bldg., San Francisco.

Sub-contracts. **COST, \$35,000**
Concrete frame up.

ALTERATION

(1737) NE STOCKTON & GEARY. Alteration and addition to store.

Owner—City of Paris Dry Goods, Premises.

Architect—Bakewell & Brown, 251 Kearny, San Francisco.

Contractor—Geo. Wagner, 251 Kearny, San Francisco.

COST, \$50,000

Note: Work started..

FLATS

(1738) W SIXTH 200 S Judah. Two-story and basement frame (2) flats.

Owner—Fred Anderson, 2162 Market, San Francisco.

Architect—C. O. Clausen, Hearst Bldg., San Francisco.

Day's work. **COST, \$6000**

ALTERATIONS

(1739) NO. 319-21 SAN JOSE AVE. Minor alterations for flats.

Owner—T. Gilbert, Premises.

Architect—None.

Contractor—John Bjorkman, 115 Seville, San Francisco.

COST, \$450

ADDITION

(1740) SE CAROLINA and 2nd. Add one room to dwelling.

Owner—Spring Valley Water Co., Sutter St., San Francisco.

Architect—None.

Contractor—Maas & McFahey, 565 Douglass, San Francisco.

COST, \$666

STORE

(1741) N OCEAN 156-4 W Miramar. One-story frame store, 38x55.

Owner—A. & C. S. Morbio, 729 Call Bldg., San Francisco.

Architect—None.

Contractor—Adolph Morbio, 744 Call Bldg., San Francisco.

COST, \$4000

ALTERATION

(1742) E FIFTH 80 S Market. Alter store front.
Owner—Peninsula Rapid Transit Co., Burlingame, Cal.
Architect—None.
Contractor—Lange & Bergstrom, Sharon Bldg., San Francisco.
COST, \$1000

(1743) NO. 520 LISBON. Raise dwelling, concrete foundation, etc.
Owner—Marie Braun, Premises.
Architect—None.
Contractor—W. M. Flaherty, 3268 San Jose Ave., San Francisco.
COST, \$475

ALTERATION

(1744) NO. 237 LAKEVIEW. Alter and add for dwelling.
Owner—Harry Langdon, 2991 2nd, San Francisco.
Architect—None.
Day's work. COST, \$500

SIDEWALK

(1745) NW McALLISTER and Hyde N for a full width of present sidewalk of Hyde St. to pt. 105' distant therefrom. Concrete and cement work for sidewalk.
Owner—Geo. G. Towle, Edwin T. Robie and Arthur N. Towle and Edna Newell.
Architect—Matthew O'Brien, 68 Post St., San Francisco.

Contractor—H. L. Petersen, Lick Bldg., San Francisco.
Filed Aug. 20, '19. Dated Aug. 19, '19.
Completed and accepted 75%
Usual 35 days 25%

TOTAL COST, \$1300

Bond, \$650. Sureties, H. A. Hagan and Jno B. Rusconi. Forfeit, \$10. Limit, 14 days. Plans and specifications filed.

BUILDING

(1746) N SAN BRUNO AVE. between Felton and Burrows, No. 2546 San Bruno Ave. All work for two-story frame building.

Owner—Harry Edelstein, 2520 San Bruno Ave., San Francisco.
Architect—O. E. Evans, 2569 Mission, San Francisco.
Contractor—Harry Abrahams, 134 Hale, San Francisco.

Filed Aug. 20, '19. Dated Aug. 16, '19.
Roof on \$1500
Plastering, rough plumbing, electric wiring complete 1500
Completed 1500
Usual 35 days 1500

TOTAL COST, \$6000

Bond, \$3,000. Sureties, S. Zimmerman and G. Kapkin. Forfeit, none. Limit, Nov 28, 1919. Plans and specifications filed.

ADDITION

(1747) E SECOND 127 S Harrison. One-story brick addition for loft.
Owner—L. A. Giacobbi, 233 Post, San Francisco.
Architect—Edw. G. Bolles, 233 Post, San Francisco.
Contractor—P. J. Lechner, 417 Second, San Francisco.
COST, \$9000

ALTERATION

(1748) NO. 1715 POLK. General alteration for store.
Owner—E. A. Deming, 332 Pine, San

Francisco.

Architect—None.
Contractor—H. P. Hoyt Co., Monadnock Bldg., San Francisco.
COST, \$5000

ALTERATION

(1749) N MARKET 50 W Mason. Alteration for store.
Owner—Walter E. Dean, Kohl Bldg., San Francisco.
Architect—None.
Contractor—Arnold & Mabey, 121 5th, San Francisco.
COST, \$3000

ALTERATION

(1750) NO. 301-5 HOWARD. Waterproofing floors, painting, washing toilet rooms, etc.
Owner—Magnus Fruit Products Co., 139 Fremont, San Francisco.
Engineer—Leland S. Rosener, Insurance Ex. Bldg., San Francisco.
Sub-contracts. COST, \$3500

ALTERATION

(1751) NW CLAY and Powell. Alter front.
Owner—Hotel Funston, Premises.
Architect—None.
Contractor—Hannah Bros., 142 Sansome, San Francisco.
COST, \$500

FOUNDATION

(1752) SE STEINER and Sutter. Brick foundation, Kompolite floor.
Owner—Cox Estate, 58 Sutter, San Francisco.
Architect—None.
Contractor—L. M. Zimmerman, 180 Jessie, San Francisco.
COST, \$400

(1753) AT JUNCTION OF FOURTH, Market and Stockton Sts. All work for cables, wood work, flowers, baskets, flags, streamers, painting, etc.,
Owner—The Committee for the Reception of the President of the United States, the Navy and War Women Workers.
Engineer—Otto F. Schiller, 57 Post, San Francisco.

Contractor—Henry Vowinkel, 348-50 Hayes, San Francisco.
Filed Aug. 21, '19. Dated July 28, '19.
1st and 15th of each month 75%
Usual 35 days 25%

TOTAL COST, \$4750

Bond, \$2375. Sureties, New Amsterdam Casualty Co. Forfeit, none. Limit, September 1, 1919. No plans or specifications filed.

(1754) NORTH AND SOUTH SIDES of Market from W side Embarcadero to Civic Center. All work for poles, bunting, flags, ropes, tassels, wires, dyeing, painting, decorations.
Owner—Same as above.
Architect—Plans by Sub-Committee on Decorations.
Contractor—Same as above.

Filed Aug. 21, '19. Dated Aug. 8, '19.
On completion \$3562.10
TOTAL COST, \$3562.10
Bond, \$1781. Sureties, New Amsterdam Casualty Co. Forfeit, none. Limit, September 1, 1919. Plans and specifications filed.

ADDITION

(1755) SE FULTON and Webster. Add for boiler house.
Owner—California Brewing Associa-

tion, Premises.
Architect—James T. Ludlow, 604 Mission, San Francisco.
Contractor—Barrett & Hilp, Sharon Bldg., San Francisco.
COST, \$2400

ALTERATION

(1756) NW O'FARRELL and Fillmore. Alter saloon for market.
Owner—Samuel Hanson, lessee, care architect.
Architect—G. A. Lunsburgh, 709 Mission, San Francisco.
Contractor—Barrett & Hilp, Sharon Bldg., San Francisco.
COST, \$3500

AUTO SHOP

(1757) W MISSION 149 N 14th. One-story brick auto shop, 49x100.
Owner—The Kern Co., 316 Bush, San Francisco.
Architect—Edw. E. Young, 251 Kearny, San Francisco.
Contractor—Barrett & Hilp, Sharon Bldg., San Francisco.
COST, \$10,000

ALTERATION

(1759) NO. 310-12 MONTGOMERY. Alter for offices.
Owner—McCreery Estate Co., 532 Mills Bldg., San Francisco.
Architect—Weeks & Day, Phelan Bldg., San Francisco.
Contractor—G. E. Gilson, 180 Jessie, San Francisco.
COST, \$3000

EXCAVATION, ETC

(1760) NO. 2535 LAGUNA. Excavating, etc., for present building.
Owner—Horace Sperry, Premises.
Architect—J. S. Enlloch, Sharon Bldg., San Francisco.
Contractor—W. C. Duncan & Son, Sharon Bldg., San Francisco.
COST, \$3500

DWELLING

(1761) NE ANZA and 15th. Two-story and basement frame dwelling.
Owner—Mrs. A. Siebrecht, corner Ellis and Jones, San Francisco.
Architect—None.
Contractor—A. R. Lapham, 485 36th Ave., San Francisco.
COST, \$11,000

ALTERATION

(1762) NO. 221 Sansome. Alteration and changes for office.
Owner—John C. Brickell, Lick Bldg., San Francisco.
Architect—J. R. Miller, Lick Bldg., San Francisco.
Contractor—A. D. Collman, 110 Jessie, San Francisco.
COST, \$8200

BUILDING

(1763) F BATTERY 45-10 S Green, 45-10x137-6. All work for a one-story and basement Class "C" building.
Owner—Traung Label and Lithograph Co., 962 Battery, San Francisco.
Architect—Geo. Rushforth, 354 Pine, San Francisco.
Contractor—Alfred H. Vogt, 185 Stevenson, San Francisco.
Filed Aug. 22, '19. Dated Aug. 18, '19.
On 1st of each month 75%
Usual 35 days 25%

TOTAL COST, \$24,328

Bond, \$12,164. Sureties, New Amsterdam Casualty Co. Forfeit, \$20. Limit, 75 days. Plans and specifications filed.

ALTERATIONS

(1764) S WASHINGTON 60 E Walnut. Alterations and additions for residence (frame).

Owner—Mrs. L. and Loring Pickering, 767 Market, San Francisco.

Architect—C. H. Barrett, Hotel Washington, San Francisco.

Day's work. COST, \$7000

DWELLING.

(1765) W LEE AVE. 225 N Grafton. One-story and basement frame dwelling.

Owner—McCarthy Co., 216 Bush, San Francisco.

Architect—None.

Contractor—Jas. Arnott & Son, 2223 19th Ave., San Francisco.

COST, \$2500

ALTERATION

(1766) NO. 118 EDDY. Alteration for store.

Owner—Mrs. Mary Prior, 282 San Jose Ave., San Francisco.

Architect—None.

Contractor—Swensen & Franzen, 145 Natoma, San Francisco.

COST, \$400

FITTINGS

(1767) NE SACRAMENTO and Liedesdorff, 54 on Liedesdorff and 30 on Sacramento. All work for fitting up restaurant.

Owner—Martin Tovaroz, 28 Liedesdorff Street.

Architect—Alfred Henry Jacobs, 110 Sutter, San Francisco.

Contractor—Home Mfg. Co., 543 Brannan, San Francisco.

Filed Aug. 22, '19. Dated Aug. 23, '19.

At completion \$2000

35 days after 700

60 days after 500

90 days after 500

25 days after 600

TOTAL COST, \$4300

Bond, Sureties, none. Forfeit, \$10.

Limit, Sept. 22, 1919. Plans and specifications filed.

APARTMENTS

(1758) SW GOUGH and Sacramento 55x100. All work except plumbing, painting and steam heating for a four-story and basement brick apartment building.

Owner—The Lafayette Investment Co.

Architect—S. Heiman, 57 Post, San Francisco.

Contractor—Thos. A. Cavanaugh, 180 Jessie, San Francisco.

Filed Aug. 22, '19. Dated Aug. 22, '19.

First floor joists on \$13,411.88

Roof boards on 13,411.00

White coat of plaster on 13,411.00

Completed and accepted 13,414.50

Usual 35 days 17,882.50

TOTAL COST, \$71,530

ADDITION

(1768) NO. 1699 HARRISON. Extended wagoned (frame and corrugated iron).

Owner—McLaughlin Drayage Co., Premises.

Architect—None.

Contractor—Fennell & Chisholm, 180 Jessie, San Francisco.

COST, \$1000

SHED

(1769) DAVIDSON & NEWHALL.

One-story frame shed.

Owner—Royal Soap Co., Premises.

Architect—None.

Contractor—John Diestel, 248 Russ Bldg, San Francisco.

COST, \$980

REPAIRS

(1770) NO. 1105-07 FRANKLIN. Repair fire damage.

Owner—I. S. Poorman, San Mateo, Cal

Architect—None.

Contractor—Chas. E. Urfer, 134 Halleck, San Francisco.

COST, \$435

DWELLING

(1771) S LAKEVIEW 25 E Margaret. One-story and basement frame dwelling, 21x40.

Owner—H. Langdon, 237 Lakeview, San Francisco.

Architect—None.

Day's work. COST, \$500

ALTERATION

(1772) NO. 982 Market. Alteration for restaurant.

Owner—Geo. C. Condon, Premises.

Architect—None.

Contractor—Brutcher & Serna, 180 Jessie, San Francisco.

COST, \$400

ALTER AND ADD.

(1773) NO. 3520 TWENTY-THIRD. Alter and add for dwelling.

Owner—Tagliani and Benvenuti.

Architect—None.

Contractor—L. Pastorini, 15 Carr St., San Francisco.

COST, \$700

ALTERATION

(1774) NO. 50 VARENNES. Change stairs and install bath.

Owner—V. Germano, Premises.

Contractor—F. C. Amoroso, 1336 Kearny, San Francisco.

COST, \$600

REPAIRS

(1775) NO. 634 BAKER. Repair fire damage (dwelling).

Owner—Estate C. H. Rosenthal, Berkeley Bank of Savings and Trust Co., Berkeley, Cal.

Architect—None.

Contractor—Harvey Grant, 2075 Center St., Berkeley.

COST, \$575

ALTERATION

(1776) NO. 1904 BROADWAY. Alter for basement garage.

Owner—Seth F. Alden, Premises.

Architect—None.

Day's work. COST, \$400

ALTER AND ADD

(1777) NO. 3340 MISSION. Alter and add for dwelling.

Owner—John McTigue, Premises.

Architect—None.

Day's work. COST, \$400

ELECTRIC WORK

(1778) S POST 87-6 E Larkin E 100x S 137-6. Electric work for a one-story, mezzanine and basement reinforced concrete building.

Owner—Jacob Gietzen, 3312 Mission, San Francisco.

Architect—W. H. Crim, Jr., 425 Kearny, San Francisco.

Contractor—H. S. Tittle, 245 Minna, San Francisco.

Filed Aug. 23, '19. Dated Aug. 8, '19.

On 1st and 15th of each month. 75%

Usual 35 days 25%

TOTAL COST, \$1596

Bond, \$800. Sureties, New Amsterdam Casualty Co. Forfeit, \$20. Limit, 10 days after receiving notice.

Plans and specifications filed.

(1779) SQUARE CORRUGATED RE-inforcing steel bars on above.

Filed Aug. 23, '19. Dated Aug. 14, '19.

Contractor—Edw. L. Soule Co., Rialto Bldg., San Francisco.

TOTAL COST, \$2085

Bond, Sureties, Forfeit, none. Limit, delivery to be made 30 days from date.

Plans and specifications filed.

OFFICE BLDG.

(1780) N CALIFORNIA 43-6 E Front E 44 N 94 W 87-6 S 26 E 43-6. All work for a three-story office Bldg.

Owner—Geo. E. Billings, 412 California, San Francisco.

Architect—W. H. Ratcliff, Jr., 1st National Bank Bldg., Berkeley.

Contractor—Walter Sorenson, 3219 Ellis St., Berkeley.

Filed Aug. 23, '19. Dated Aug. 20, '19.

As' work progresses 75%

Usual 35 days 25%

TOTAL COST, \$62,949

Bond, \$31,474.50. Sureties Maryland Casualty Co. Forfeit, none Limit, 100 days. Plans and specifications filed.

FIXTURE WORK

(1781) NO. 268 POST ST. All work except painting and glass for fixture work for store.

Owner—S. & G. Gump Co., Premises.

Architect—Sam Lightner Hyman, Crocker Bldg., San Francisco.

Contractor—Wm. Bateman, 1913 Bryant, San Francisco.

Filed Aug. 23, '19. Dated Aug. 20, '19.

Completed and accepted \$5000

Usual 35 days 1150

TOTAL COST, \$6150

Bond, Sureties, Forfeit none. Limit, 6 weeks. Plans and specifications filed.

COMPLETION NOTICES.

San Francisco County.

RECORDED	ACCEPTED
.....	July 28, 1919
Aug. 20, 1919—W MARKET and Eddy, No. 902 Market St. Milton Jonas to Fink & Schneider.	Aug. 15, 1919
Aug. 20, 1919—SE PALOU AVE. Ingalls, 25x100. Wm. H. Grahn to whom it may concern.	Aug. 4, 1919
Aug. 20, 1919—S E PALOU AVE. 100 E Ingalls, 25x100. Henry J. York to Wm. H. Grahn.	July 24, 1919
Aug. 20, 1919—S UNION 60 E Baker E 52-6xS 87-6. Wm. W. Rednall to whom it may concern.	Aug. 19, 1919
Aug. 19, 1919—NO. 430 CALIFORNIA St. The National City Co. of Cal. to Barrett & Hill.	Aug. 16, 1919
Aug. 22, 1919—LOTS 6, 8, 10 BLK 3165, Westwood Park. Hans Nelson to Nelson Bros.	Aug. 21, 1919
Aug. 22, 1919—NW EIGHTEENTH and San Bruno Ave. W 72x N 37-6. Martin Judnich to Isaac Penny.	Aug. 8, 1919

Aug. 22, 1919—W ASHBURY 65 N Grove Nos. 45 and 47 Ashbury. A. P. Dunphy to W. L. Hemmenga
Aug. 20, 1919
Aug. 21, 1919—N VALLEJO 67-6 W Buchanan W 32-6xS 137-6. S. L. Abbott to W. C. Duncan & Co.
Aug. 20, 1919
Aug. 22, 1919—SW TWENTY-FIRST St. and Treat Ave. S 60xW 24-6. Catherine C. Bannan to Mager Bros.
Aug. 22, 1919

1856 Union Constr. Owner 900
1857 Union Constr. Owner 1675
1858 Sjostrom Foss 400
1859 Mandler Scott 1950

(1791) E EUCLID AVE. 300 N Van Buren, Oakland. One-story 5-room dwelling.
Owner—J. W. Speyer, 1926 Broadway, Oakland.

Architect—None.
Contractor—Edwin C. Graff, 1926 Broadway, Oakland.
COST, \$8300

(1792) NO. 1392 E TWENTY-eighth St., Oakland. Alterations.
Owner—Mella and C. H. Marshall, Premises.
Architect—None.
Contractor—C. H. Marshall, Prem.
COST, \$400

(1793) S FIFTH ST. 100 W Adeline, Oakland. Garage.
Owner—Western Paper Box Co., Premises.
Architect—None.
Contractor—Alfred Cords.
COST, \$850

(1794) NO. 5714 GASKILL, Oakland. Alteration.
Owner—Maria Dufaw, Premises.
Architect—None.
Contractor—C. T. Moore, 446 38th St., Oakland.
? COST, \$500

(1795) N CARLTON, 113 W 7th, Berkeley. Improvements.
Owner—Byron Jackson Iron Works, Carlton Station, W. Berkeley.
Architect—Robert Schorr.
Contractor—W. P. Jones, 2218 Los Angeles Ave., Berkeley.
Filed Aug. 18, '19. Dated Aug. 12, '19.
1st and 15th each month 75%
Usual 35 days 25%
TOTAL COST, \$4705

Bond, Sureties, Forfeit, none. Limit, 45 days. No plans or specifications filed.

(1796) S MERA 130 E 40th Ave., Oakland. One-story 5-room dwelling.
Owner—H. D. Graves, 4121 Foothill Blvd., Oakland.
Architect—None.
Day's work
COST, \$2000

(1797) N HOPKINS 80 W Maybelle Ave., Oakland. One-story, 4-room dwelling.
Owner—Mrs. Mary E. Dyer, 111 Lake Ave., Piedmont.
Architect—None.
Contractor—W. A. King, 111 Lake Ave., Piedmont.
COST, \$2000

(1798) N FOOTHILL BLVD., 90 E 41st Ave., Oakland. One-story six-room dwelling.
Owner—George C. Lester, 1938 50th Ave., Oakland.
Architect—None.
Day's work
COST, \$2700

(1799) E MILES AVE. 100 N Forest, Oakland. One and one-half story 5-room dwelling.
Owner—C. J. Pfrang, Forest and Mills, Oakland.
Architect—None.
Day's work
COST, \$2950

(1800) NO. 2144 UNIVERSITY Ave., Berkeley. Alteration.
Owner—H. P. Spueck.
Architect—None.
Contractor—H. Reynolds.
COST, \$500

(1801) N E-TWENTYETH St. 282 E 5th Ave., Oakland. Two-story 4-room dwelling.
Owner—Donald McCline, 606 E-20th, Oakland.
Architect—None.
Contractor—Noble Newsom, Thousand Oaks, Berkeley.
COST, \$3900

(1802) SW E-FOURTEENTH and 55th Ave., Oakland. One-story office.
Owner—Ruegg Construction Co., 710 Pacific Bldg., San Francisco.
Architect—None.
Day's work
COST, \$1000

(1803) NO. 564-68 EIGHTEENTH ST., Oakland. Alteration.
Owner—Remillard Brick Co., Phelan Bldg., San Francisco.
Architect—None.
Contractor—O. H. Herman, 564 18th, Oakland.
COST, \$1200

(1804) SE EIGHTH & CASTRO, Oakland. Alteration.
Owner—M. Pierre, Premises.
Architect—None.
Contractor—James L. Rich, 947 42nd, Oakland.
COST, \$1200

GARAGE
(1805) NO. 6658-60 DANA, Oakland. Garage.
Owner—Cecil & Muller, Premises.
Architect—None.
Day's work
COST, \$400

(1806) NO. 1077 ONE HUNDRED & SIXTH AVE., Oakland. Alteration.
Owner—G. Blander, 950 5th St., Oakland.
Architect—None.
Contractor—H. Bangs, 2323 E-16th St., Oakland.
COST, \$600

(1807) NO. 227 ORANGE ST., Oakland. Addition.
Owner—R. S. Collins, Premises.
Architect—None.
Contractor—J. R. MacGregor, 731 60th St., Oakland.
COST, \$400

(1808) E SEVENTY-FIFTH AVE, 300 N Carleton, Oakland. One-story 4-room dwelling.
Owner—Fred Osterhoff, 573 23rd St., Oakland.
Architect—None.
Day's work
COST, \$600

(1809) NE ELEVENTH and Webster, Oakland. Brick work for one-story Class "C" office.
Owner—Really Syndicate Co., Syndicate Bldg., Oakland.
Architect—Hamilton Murdock, Syndicate Bldg., Oakland.
Contractor—W. J. Baccus, 565 16th, Oakland.
Filed Aug. 19, '19. Dated Aug. 15, '19.
Walls up to girders \$1132
Completed and accepted 1133
Usual 35 days 1133
TOTAL COST, \$3398

Bond, Sureties, Forfeit, none. Limit,

BUILDING CONTRACTS

Alameda County.

The following is an index for the contracts for this issue:

No.	Owner	Contractor	Am't.
1791	Speyer	Graff	8300
1792	Marshall	Owner	400
1793	Western Paper	Cords	850
1794	Dufaw	Moore	500
1795	Byron	Jones	4705
1796	Graves	Owner	2000
1797	Dyer	King	2000
1798	Lester	Owner	2700
1799	Pfrang	Owner	3950
1800	Spueck	Reynolds	500
1801	McCline	Newsom	2900
1802	Ruegg	Owner	1000
1803	Remillard Br.	Herman	450
1804	Pierre	Rich	1200
1805	Cecil	Owner	400
1806	Blander	Bangs	600
1807	Collins	MacGregor	400
1808	Osterhoff	Owner	600
1809	Rlty Syn	Baccus	3398
1810	Rlty Syn	Picard	510
1811	Sebbens	Lydskens	456
1812	Campbell	Pied. Ecl.	.....
1813	MacDonald	Morris	11000
1814	Stenbro	Owner	2500
1815	Waterfront	Sash Pratt	8700
1816	Davis	Owner	5750
1817	Hoppers	Bay City	1000
1818	Corder	Jackson	500
1819	Pac. Sales	Owner	400
1820	Fetter	Schneblly	400
1821	Delamotho	Inlaid Flr	400
1822	Fageal	Owner	1506
1823	Mills	Owner	900
1824	Avila	Bates	8000
1825	Kidd	Pinkerton	7350
1826	Dull	Scammon	3200
1827	Noble	Owner	3000
1828	Noble	Owner	2500
1829	Noble	Owner	2600
1830	Nelson	Fritz	400
1831	Dow	Scott	700
1832	Howard	Pennycook	9999
1833	Maasberg	Owner	3000
1834	Maasberg	Owner	3000
1835	Lundholm	Owner	2800
1836	Sather	Nelson	2800
1837	Crouch	Owner	750
1838	Carey	Owner	600
1839	Tong	Fernandez	400
1840	Enquirer	Shrader	400
1841	Gilfeather	Harris	400
1842	Wood	Scott	2500
1843	Sohlman	Owner	400
1844	Lundy	MacMillan	3500
1845	Bell	Grainger	4100
1846	Lange	Owner	4000
1847	Hawn	Coward	6000
1848	Hudson	Owner	5000
1849	Wiester	Williams	2800
1850	Kern	Owner	5800
1851	Leach	Muller	9305
1852	Cal. Mem. Hsptl.	O	750
1853	Moyer	Rotary	400
1854	Union Constr.	Owner	1375
1855	Union Constr.	Owner	7225

as soon as possible. Plans and specifications filed.

(1810) PLUMBING ON ABOVE.

Contractor—W. H. Picard, 477 Hardy, Oakland.

Filed Aug. 19, '19. Dated Aug. 15, '19.
Roughed in \$170
Completed and accepted 170
Usual 35 days 170

TOTAL COST, \$510

Bond, Sureties, Forfeit, none. Limit, as soon as possible. Plans and specifications filed.

(1811) SE E-TWELFTH ST. and 33rd Ave., Oakland. All work for two-story flat and store building. Owner—Jesse and Marie Sebbens, Albany.

Architect—None.

Contractor—Geo. H. Lydixsen, 1244 29th Ave., Oakland.

Filed Aug. 19, '19. Dated July 26, '19.
Frame up ¼
Plastered ¼
Completed ¼
Usual 35 days ¼

TOTAL COST, \$456

Bond, Sureties, Forfeit, none. Limit, 90 days after July 30. Plans and specifications filed.

(1812) CLAY ST., between 14th and 15th streets, Oakland. All work to install Cash Register Company's Electric Credit System.

Owner—H. C. Capwell Co., Premises. Architect—None.

Contractor—Lee B. Gilpin (Piedmont Electric Co.)

Filed Aug. 20, '19. Dated Aug. 11, '19.
Completed and accepted ½
Usual 35 days ½

COST, Cost plus 20%

Bond, \$4,000. Surety, National Surety Co. Forfeit, none. Limit, none. No plans or specifications.

(1813) E EMERALD 196 N 41st, Oakland. Two-story 18-room apartments.

Owner—MacDonald & Wolfe, 4015 Syndicate Bldg., Oakland.

Architect—None.

Contractor—Solomon Morris, 326 24th Oakland.

COST, \$11,000

(1814) N E E-THIRTY-SEVENTH and Randolph avenue, Oakland. One story 5-room dwelling.

Owner—A. Stenbro, 2122 Vicksburg Ave., Oakland.

Architect—None.

Day's work. COST, \$2,500

(1815) S SUTTER, 115, 185 and 290 W High, Oakland. Three one-story 5-room dwellings.

Owner—Waterfront Sash & Door Co., 2nd and Alice Sts., Oakland.

Architect—None.

Contractor—H. S. Pratt, 4605 El Centro Ave., Oakland.

COST (each) \$2,900

(1816) N BONA 425 W Peralta Ave., Oakland. One-story 6-room dwelling.

Architect—None.

Day's work. COST, \$3,750

(1817) N TWELFTH 20 W Broadway, Oakland. Alteration.

Owner—M. Hopkins,

Architect—None,

Contractor—Bay City Cabinet Co., 1080 5th, Oakland.

COST, \$1,000

(1818) NO. 519-21 THIRTEENTH, Oakland. Sidewalk doors.

Owner—T. W. Corder, Inc.

Architect—None.

Contractor—P. H. Jackson & Co., 237-47, 1st, San Francisco.

COST, \$500

(1819) NO. 1812 SAN PABLO AVE., Oakland. Alteration.

Owner—Pacific Sales Co., Premises.

Architect—None.

Day's work. COST, \$400

(1820) NO. 753 WARFIELD AVE., Oakland. Garage.

Owner—Ernest Fetter, Premises

Architect—None.

Contractor—Schnebly & Hostrawser, 6th and Jackson, Oakland.

COST, \$400

(1821) NO. 746-48 FIFTY-EIGHTH, Oakland. Alteration.

Owner—G. Delamothe, 734 Telegraph Ave., Oakland.

Architect—None.

Contractor—Inlaid Floor Co., 4067 Watts St, Emeryville.

COST, \$400

(1822) ONE HUNDRED AND SEVENTH AVE. and Hollywood Blvd. Oakland. Addition.

(1822) Fageol Motors Co.

Architect—None.

Day's work. COST, \$1,500

(1823) MILLS COLLEGE. Add and hot house.

Architect—None.

Day's work. COST, \$900

(1824) NE E-FOURTEENTH and 98th Ave., Oakland. One-story concrete garage.

Owner—Avila & Lopez, 9846 B St., Oakland.

Architect—None.

Contractor—Bates & Browne, 1520 1st Ave., Oakland.

COST, \$8,000

(1825) N HEARST AVE., 270, 230, and 200 W California, Berkeley.

Three one-story 5-room dwellings.

Owner—John and Ronald Kidd.

Architect—None.

Contractor—J. A. Pinkerton, 1931 Berryman, Berkeley

COST (each) \$2,450

(1826) 2111 WOOLSEY, Berkeley. One-story 5-room dwelling.

Owner—C. Duel, 2017 Woolsey, Berkeley.

Architect—None.

Contractor—C. F. Scammon, 2070 University Ave., Berkeley.

COST, \$3,200

(1827) NO. 2700 SAN JOSE AVE., Alameda. One-story 6-room dwelling.

Owner—G. H. Noble, 2205 Santa Clara Ave., Alameda.

Architect—None.

Day's work. COST, \$3,000

(1828) NO. 2721 WASHINGTON ST., Alameda. One-story 5-room dwelling.

Ave., Alameda,

Owner—G. H. Noble, 2205 Santa Clara Architect—None.

Day's work. COST, \$2,500

(1829) NO. 1113 VERSAILLES AVE., Alameda. One-story 6-room frame dwelling.

Owner—G. H. Noble, 2205 Santa Clara Ave., Alameda.

Architect—None.

Day's work. COST, \$2,600

(1830) NO. 1301 PEARL ST., Oakland. Alteration.

Owner—Mrs. H. Nelson, Stuart St., Berkeley.

Architect—None.

Contractor—D. H. Fritz, 422 61st St., Oakland.

COST, \$400

(1821) OAK ST AND CLEMENT Ave., Alameda. Addition.

Owner—Dow Pump Works, Premises.

Architect—None.

Contractor—G. H. Scott, 685 23rd St., Oakland.

COST, \$700

(1832) E SHATTUCK AVE., 45, 85 and 125 S 59th St., Oakland. Three one-story 5-room dwellings.

Owner—C. W. Howard, Hotel Crail.

Architect—None.

Contractor—Pennycok & Casha, 1125 Oak St.

COST (each), \$3,333

(1833) SW HAMPEL and Woodruff, Oakland. One-story 7-room dwelling.

Owner—E. Maasberg, 3915 Greenwood Ave., Oakland.

Architect—None.

Day's work. COST, \$3,000

(1834) S HAMPEL 45 W Woodruff, Oakland. One-story 7-room dwelling.

Owner—E. Maasberg, 3915 Greenwood Ave., Oakland.

Architect—None.

Day's work. COST, \$3,000

(1835) W 58TH AVE. 389 S E-14th St., Oakland. One and one-half-story 6-room dwelling.

Owner—John M. Lundholm, 1717 Wood St., Oakland.

Architect—None.

Day's work. COST, \$2,800

(1836) W 18TH AVE. 70 N E-20th St., Oakland. One-story 5-room dwelling.

Owner—T. P. Sather, 2307 Broadway, Oakland.

Architect—None.

Contractor—C T. Nelson, 920 Clay St., Oakland.

COST, \$2,800

(1837) N REDDING 150 E Loma Vista. One-story 4-room dwelling.

Owner—F. J. Crouch, 1338 Virginia, Oakland.

Architect—None.

Day's work. COST, \$750

(1838) NO. 12 WARREN, Oakland. Alteration.

Owner—John Carey, Premises.

Architect—None.

Day's work. COST, \$600

(1839) NO. 717 SEVENTH, Oakland.
Alteration.
Owner—Lee Tong, Premises.
Architect—None.
Contractor—M Fernandes, 948 E-11th
street, Oakland.
COST, \$400

(1840) SIXTEENTH & SAN PABLO.
Oakland. Alteration.
Architect—None.
Contractor—J. F. Shrader, 520 16th,
Oakland.
COST, \$400

(1841) NO. 692 39TH ST., Oakland.
Addition.
Owner—J. A. Gilfeather, Premises.
Architect—None.
Contractor—D. F. Harris, 1303 Car-
rison, Berkeley.
COST, \$400

(1842) NO. 1 PLAZA DRIVE, Berke-
ley. Alter and add to 2-story 8-
room dwelling.
Owner—W. S. Wood, Premises.
Architect—None.
Contractor—G A Scott, 685 23rd, Ber-
keley
COST, \$2500

(1843) NO 937 GRAYSON, Berkeley.
Addition.
Owner—David Sohlman, Premises.
Architect—None.
Day's work.
COST, \$400

(1844) SE FRUITVALE and Boule-
vard, Oakland. Addition (offices
over stores).
Owner—William T. Lundy.
Architect—None.
Contractor—D. C. MacMillan, 604 28th
St., Oakland.
COST, \$3500

(1845) E CORONADO AVE. 120 N
51st St., Oakland. One-story six-
room dwelling.
Owner—Jessie L. Bell, Como Apts.,
Oakland.
Architect—None.
Contractor—Grainger & Nelson, 537
66th St., Oakland.
COST, \$4100

(1846) W CAPELL 50 S Prospect
Ave., Oakland. One and one-half
story 5-room dwelling.
Owner—W. B. Lange, 117 E-16th St.,
Oakland.
Architect—None.
Day's work.
COST, \$4000

(1847) W HEARN 140 S Chabot
Road, Oakland. One and one-half
story 9-room dwelling.
Owner—Mrs. W. H. Hawn.
Architect—None.
Contractor—Joseph Coward, 6081
Claremont Ave., Oakland.
COST, \$6000

(1848) SW E-38TH ST. and Evers
Ave., Oakland. Two-story 10-room
flat.
Owner—L. G. Hudson, 3458 Fruitvale
Ave., Oakland.
Architect—None.
Day's work.
COST, \$5000

(1849) E DOHR 125 S Oregon, Ber-
keley. One-story 4-room dwelling.
Owner—W. C. Wiester, 643 54th St.,
Oakland.
Architect—None.

Contractor—Chas. C. Williams, 503
Syndicate Bldg., Oakland.
COST, \$2800

(1850) E LOS ANGELES & SHAT-
tuck, Berkeley. Two-story 8-room
dwelling.
Owner—Herbert F. Kern, 965 Indian
Rock Ave., Berkeley.
Architect—None.
Day's work.
COST, \$5800

(1851) W PIEDMONT AVE. 300 E
Broadway, Oakland. All work for
one-story and mezzanine, brick and
concrete machine shop, except con-
crete work.
Owner—L. E. Leach, Oakland.
Architect—Charles W. McCall, Cen-
tral Bank Bldg., Oakland.
Contractor—F. A. Muller, Syndicate
Bldg., Oakland.
Filed Aug. 22, '19. Dated Aug. 16, '19.
Side walls completed 1/4
Roofing completed 1/4
Completed and accepted 1/4
When all bills paid 1/4
TOTAL COST, \$9,305.60
Bond, Sureties, none. Forfeit, \$5. Lim-
it, 50 days. Plans and specifications
filed.

(1852) N OF FRUITVALE AVE. Oak-
land. One-story 3-room office.
Owner—California Memorial Hospital,
Monadnock Bldg., San Francisco.
Architect—Carl Werner, Phelan Bldg.,
San Francisco.
Day's work
COST, \$750
OIL BURNER
(1853) E LAKESHORE AVE. 55 S
Lake Park, Oakland. Oil burner.
Owner—J. J. Moyer, 2731 Harrison,
Oakland.
Architect—None.
Contractor—Rotary Oil Burner Co.,
159 12th St., Oakland.
COST, \$400

(1854) KEY ROUTE BASIN. One-
story garage.
Owner—Union Constr. Co., Premises.
Architect—None.
Day's work.
COST, \$1375

(1755) KEY ROUTE BASIN. Two-
story joiner shop.
Owner—Union Constr. Co., Premises.
Architect—none.
Day's work.
COST, \$7,225

(1756) KEY ROUTE BASIN. One-
story welding shop.
Owner—Union Constr. Co., Premises.
Architect—none.
Day's work.
COST, \$900

(1857) KEY ROUTE BASIN. One-
story lavatory.
Owner—Union Constr. Co., Premises.
Architect—none.
Day's work
COST, \$1675

(1858) NO. 584 THIRTY-FOURTH
St., Oakland. Alteration.
Owner—O. S. Sjostrom, San Francisco.
Architect—none.
Contractor—C. C. Foss, 1849 Park
Blvd., Oakland.
COST, \$400

(1859) NO. 564 THIRTY-FIRST St.,
Oakland. One-story warehouse.
Owner—Mandler Catering Co., 13th
and Madison, Oakland,
Architect—none.

Contractor—Geo. A. Scott, 685 23rd
St., Oakland.
COST, \$1950

COMPLETION NOTICES.

Alameda County.

Aug. 20, 1919—PT. 148.60 N inter-
section N Hawthorne St. and W.
Broadway N 41.40, W 115 S 43.30
E 115.30, Oakland. John H. Barry
to F. A. Muller Aug. 18, 1919
Aug. 16, 1919—E BONITA AV about
100 S Rose 33-4x125, Bkly. Louis
O Hansson to whom it may con-
cern Aug. 8, 1919
Aug. 18, 1919—LQT 5, BLK 26, Fair-
mount Park, Albany. J. A. Pin-
kerton to whom it may concern
Aug. 18, 1919
Aug. 18, 1919—NW SIXTY-NINTH
Ave. 65 NE Hamilton, Oakland.
NE 35x6W 100. John H. Bolton
and Frederick J. Burnett to
George D. Stratton and William
Vicks Aug. 16, 1919

BUILDING CONTRACTS.

Santa Clara County.

FILLING AND EXCAVATING
RACE ST., SAN JOSE. All work for
the filling and excavating for two-
story reinforced concrete factory
building.
Owner—S. J. Spoelstea, San Jose.
Architect—Binder & Curtis, 257 S.
1st St., San Jose.
Contractor—Raisch Improvement Co.,
15 Auzeais Bldg., San Jose.
Filed Aug. 14, '19. Dated Aug. 13, '19.
Completed \$1612.50
Usual 35 days 537.50
TOTAL COST, \$2150
Bond, \$1075. Sureties, Jas H. Quinby
and R. O. Summers. Forfeit, none.
Limit, 10 days for filling, other work
no limit. Plans and specifications
filed.

SERVICE STATIONS
SEVENTH AND MONTEREY, STS.,
Gilroy; 3rd and El Camino Real,
San Mateo; San Francisco-San Jose
county road and Saratoga-Moun-
tain View road, Sunnyvale. All
work for 3 steel service stations.
Owner—Associated Oil Co., Sharon
Bldg., San Francisco.
Architect—None.
Contractor—W. C. Duncan and A. F.
Matlock under the firm name of
W. C. Duncan & Co., Sharon Bldg.
San Francisco.
Filed Aug. 15, '19. Dated July 31, '19.
Station finished 75%
Usual 35 days 25%
San Mateo \$2325
Sunnyvale 2224
Gilroy 1943
TOTAL COST, \$6492
Bond, \$6500. Sureties, The Aetna
Casualty and Surety Co. Forfeit, Lim-
it, none. Plans and specifications
filed.

LIENS FILED.

Fresno County.

Recorded Amount
Aug. 13, 1919—LOT 11 Fink Cl. in
Sec. 4, 15-23, Fresno. O F Camp-
bell vs S Miyamoto \$114

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ROSEWOOD-TEAK-RED BEAN
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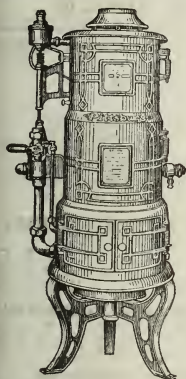
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Publication Office
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San Francisco, Cal., September 3, 1919

Published Every Wednesday 36
Nineteenth Year, No. 4



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 Commercial Club, Merchants Exchange Bldg.

Committee Meeting Every Friday, 7:30 P. M. at Chapter Office.

San Francisco Chapter Office, 700 Marston Bldg.

A. G. Mott, Secretary

244 Kearny St., S. F.

Devoted to the Engineering, Architectural, Building and Industrial Activities of the Pacific Coast.

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L. A. LARSEN,
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J. P. FARRELL,.....Exchange Editor

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SAN FRANCISCO OFFICE
500 Mission Street.
Telephone—Douglas 2372.

American Association of Engineers

DR. F. H. NEWELL IN SAN FRANCISCO.

The Engineers' Club of San Francisco had extended an invitation to Dr. Newell to give a talk before their membership at the luncheon on the 26th of August, and the doctor's address was well received and warmly applauded. He touched largely on the aims and objects and the ways and means of the A. A. E.

Dr. Newell also spoke to a large audience of engineers and their wives at a meeting held under the auspices of the S. F. Chapter of the A. A. E. in the Commercial Club. His topic was the engineer in modern life, his needs and ideals, and in his characteristic calm and lucid manner, Dr. Newell laid before his hearers the practical necessity for organization among engineers and the manner in which the A. A. E. is trying to fulfill this task. His remarks were followed with close attention, and several speakers responded to the invitation of Chapter President Knowles to express themselves on the subject and ask any questions. The meeting was a decided success, and all the A. A. E. literature displayed in the hall disappeared in no time, the visiting engineers all being eager to get all the information on the subject that was obtainable.

Dr. Newell's visit to San Francisco did great things for the A. A. E. here in this locality, and our growth will show the results in a steady climbing curve of applications. We all hope to see Dr. Newell very soon again and be able to hear his interesting talk on a subject which lays very close to his heart and about which he could talk for hours without tiring.

“BOND ISSUES.”

Their Use and Misuse.

By George M. Nelson, Consulting Engineer, S. F.

Modern engineering construction work, be it large or small, private or public, is nowadays financed almost exclusively through bond issues and the engineer is often called upon to

make decisions in connection herewith which are of the utmost importance to both the engineering profession and the public. We have therefore arranged for a number of articles on this subject analyzing the questions at issue in the different cases that might arise and pointing out the solutions that costly bought experience has shown to be the wisest. The questions that confront the engineer called upon to determine the size and character of the bond issue and the class of work to be paid for by the bond issue, vary very much with the locality, the nature of the work and statutes under which the project is carried out. Too many bond issues have in the past been saddled on the public which were no more than gigantic steals carried through for no other purpose than providing a fund for the extravagant living of the officials in office at the time, and always giving the public the small end of the deal or rather the divy. The engineer was hardly ever consulted in those days, and if he appeared in the whole matter at all was merely hired to set a few square pegs with a tack in the center and some red chalk on the top, and was more than often admonished to keep his nose out of the job itself and not bother about finding any faults as there were practical men in charge “who knew more about the work than he did.”

Too many bond issues have been carelessly wasted through the almost criminal ignorance of the men in charge as to what constitutes a proper improvement under a bond issue. We have here in California several ways of issuing bonds for improvement work, and what has been said above holds good for all classes as we shall later see when we will cite the specific instances of which there are legion.

State Bonds are prepared by the legislature and then submitted to popular vote for ratification.

County Bonds are prepared by the board of supervisors and then submitted to the people for ratification. In addition to these, the general bonds, a special bond in ten year series is now getting very much into use in the south where a special assessment district is laid out for certain stated

kinds of improvements and ten-year bonds issued against the district.

City bonds are issued in the same manner a county bonds.

No improvement of a temporary character should ever be laid under a bond issue as the result will be like the following ditty:

Hordes of autos now remind us
We should build our roads to stay—
When departing leave behind us
Kind that rains don't wash away.
When our children pay the mortgage
Father's made, to haul their loads,
Do not let them raise the question,
“Here's the bonds, but where's the roads?”

(Continued next week)

LETTERS TO S. F. CHAPTER PUBLICITY COMMITTEE.

A very successful meeting of the newly organized San Bernardino Valley Chapter of the American Association of Engineers was held in the Court House at Riverside on the evening of August 25th. About thirty engineers were present, and after the routine business was transacted, a very interesting address on “Flood Water Conservation” was given by Mr. Francis Cuttle of Riverside, who is an authority on this subject.

Plans were perfected for the entertainment of Dr. F. H. Newell, President of the National Association, at a banquet at the Glenwood Mission Inn, Riverside on Saturday, August 30th. After the banquet Dr. Newell will address the association in the music room of the Inn.

It was arranged to hold monthly meetings of the Chapter at different towns in the valley, at which meetings there will be an address on some subject or problem interesting to engineers, with discussion.

B. B. MANN,
City Engineer of Ontario, President.
M. A. WOODS,
610 10th St, San Bernardino,
Secretary.

Los Angeles, Aug. 26, 1919.
American Association of Engineers,
Care Building and Engineering News,
San Francisco, California.

Gentlemen: Referring to page 3 of your letter of recent date, I submit

the following work under construction or in preparation by the Milwaukee Building Company, Meyer, & Holler, Architecture, Engineering and Construction:

Plans are under way for a six-story Class A reinforced concrete factory building for Brownstein-Louis Company. Design to be along classical lines with a Spanish atmosphere. All modern innovations and conveniences to be incorporated. Cost about \$500,000.

Plans have been completed for a one-story Class C market building at the corner of Hollywood Boulevard and Wilcox. Size 64x120. Cost about, \$20,000.

Hoping the above may be of value to you, I remain

Very truly yours,

MILWAUKEE BLDG. CO.
EVERETT H. MERRILL, C. E.,
Chief Engineer.

NEWS FROM NATIONAL HEAD-QUARTERS.

Unexpected enthusiasm and widespread interest in the work and plans of the A. A. E. are found by the President of the American Association of Engineers in his visit to the centers of engineering activity, particularly in the middle and far west. The young engineers, notably those recently returned from Army or Navy service, are putting their surplus energy into the upbuilding of the local clubs and chapters. Retaining some of the enthusiasm of larger service, they see home affairs from the broad viewpoint of the traveler, and dare not content with the narrow vision of their older associates. They want to join in state and nation-wide activities as well as in those of their own town. Where A. A. E. with its wide-spread organization, has an appeal to their imagination.

The principal cities recently visited by President Newell are Boston. New York, Philadelphia, Baltimore, Washington, Pittsburgh, Buffalo, Cincinnati, Dayton, Omaha, Kansas City, Denver, Salt Lake City, Boise, Seattle, and Portland, Sacramento, Los Angeles, San Francisco, San Diego, Tucson and El Paso. At each point visited conferences have been held with the local officers of A. A. E., followed usually by open meetings to which the public is invited. And when the results and plans of the A. A. E. are explained and discussed, especial interest is shown in the studies of conditions of engineers.

In general there is a good demand for engineers, and works as a whole are being undertaken at a steadily increasing rate. The greatest activity is in highway building. In this line there is a scarcity of experienced men. Much money is being wasted for this reason. The general enthusiasm for hard roads on the part of the public is apt to have a severe setback when the fact is discovered that many of the politically-appointed boards or supervisors—not engineers—are wasting the funds on experiments or schemes not approved by skilled engineers. Here is where the local Chapters of the A. A. E. have much difficult work "put out for them," namely in educating

the public on the dangers of neglect of competent engineering advice, or of permitting the employment of cheap men in responsible places. The public will not discriminate, and when the roads or bridges fail, as many must, the blame will fall inevitably on the engineer. Even though today he protests, if he does not make this protest loudly and effectively, it will not do to say later, "I told you so."

A committee to investigate the compensation of municipal and county engineers, and another to make a similar investigation for engineers employed by public utilities, is being organized by the American Association of Engineers. The committee personnel has not been determined entirely, but it is expected that this will have been done very soon.

The American Association of Engineers has grown so fast during the last six months that the national headquarters of the Association in Chicago has outgrown its quarters. Within the next two or three weeks these headquarters will be moved from the present location at 29 La Salle street to the Nepeanuk Building at 63 East Adams street, where a lease has been taken on 6,000 square feet of office space. The Chicago Chapter, which has over 1,100 members, and which is now the largest engineering society in Chicago, will take over the space vacated by the national headquarters of the Association.

CALIFORNIA SHIPBUILDER LAUNCHED.

The California Shipbuilder, a monthly magazine published by the steel shipyards of the San Francisco Bay District, has made its appearance. The publication, edited by Lindsay Campbell, contains many interesting articles regarding the shipbuilding industry.

"History of Shipbuilding in California," by Glenn Byers; "The Romance of Iron," by Robert H. Willson, are stories among the features of the first issue.

The magazine is dedicated by the steel shipyards and allied industries of the San Francisco Bay District to breaking down the barriers thrown up by past mistakes and establishing co-operation between employer and employee.

STATE CORPORATION DEPARTMENT.

SACRAMENTO, July 19. — Commissioner of Corporations E. C. Bellows has been advised by Attorney-General U. S. Webb that newspapers are subject to the penalties prescribed in the Corporate Securities Act in publishing the advertisement offering for sale securities of companies and associations which have not been authorized to sell or issue their shares in the State of California.

During the last several weeks there has been a stock-selling drive in certain newspapers of the State through advertisements inserted by Texas companies, associations and firms of brokers. In no case was the company, whose stock was being offered

to the California purchasers, authorized to sell or issue its shares in this State. Likewise none of the brokers so advertising has a California broker's license.

Commissioner Bellows, from investigations he has instituted, has determined that the stock of many, and possibly all of these companies, is worthless, and the investors of California are being defrauded out of their money. He issued warnings to the newspapers publishing the advertisements and also warned the companies and brokers; but this method has failed to stop the violations.

In order to ascertain whether or not the newspapers in California are amenable to the provisions of the Corporate Securities Act when accepting and publishing advertisements for the sale of shares of an unauthorized company, the Commissioner asked the Attorney-General for an opinion. Here is the question asked by Commissioner Bellows and the answer given by Attorney-General Webb:

"I have before me for reply thereto your letter of the 19th inst., wherein you request to be advised:

"Whether newspapers published in this State are subject to the penalties prescribed by Section 14 of the Corporate Securities Act in advertising for sale securities of companies and associations which have not been authorized to sell or issue their shares in the State of California."

"In our opinion, Section 14 of the Securities Act clearly imposes the penalty therein prescribed upon a person who publishes an advertisement for the sale of securities which within his knowledge, have not been authorized to be sold by the Commissioner of Corporations. This we find in the following extracts from the section bringing within its terms:

"Every other person, who knowingly * * * causes or assists in causing to be * * * sold, any security, in nonconformity with a permit of the Commissioner then in effect authorizing such issue, or contrary to the provisions of this act," or of the constitution of this state," or

"who, with knowledge that any advertisement * * * concerning securities contains any security contains any statement that is false or misleading, or otherwise likely to deceive a reader thereof, issues, circulates, or publishes the same, or shall cause the same to be issued, circulated, or published."

HANDBOOK OF THE USEFUL PLANTS.

A handbook of tropical and sub-tropical America is in course of preparation in the U. S. Bureau of Plant Industry, in Washington. The Bureau states that this work will serve to answer innumerable questions which are constantly received from commercial and manufacturing firms, scientists, other branches of the Government, etc., concerning food and forest plants, drugs, tanning and dye plants, narcotics, poison plants, oils, resins, balsam and gums. Scientific American.

ASSEMBLY BILL NO. 239.

CHAPTER 625.

An act providing for a county engineer for each county in this state, providing for his appointment, manner of removal, qualifications, compensation and duties; transferring to such engineer certain powers, functions and duties heretofore vested in and performed by county surveyors and members of the board of supervisors; also authorizing the board of supervisors for each county to purchase and obtain all necessary equipment, materials and instrumentalities to carry out the objects of this act; to provide said county engineer with an office and necessary assistants; to provide for abolishing the office of county surveyor and for the fixing and levying of taxes for road purposes.

[Approved May 27, 1919.]

The people of the State of California do enact as follows:

Section 1. The Board of Supervisors of any county at their option may appoint, and upon petition therefor signed by qualified electors of the county equaling in number not less than twenty-five per cent of the total vote cast in the county for governor at the last preceding election at which a governor was elected, they must appoint a competent civil engineer who has had within five years last past, not less than one year's actual experience in practical road building as county engineer, who shall be deemed an employee and not a county officer. The county engineer shall, under the general direction and supervision of the board of supervisors and except as otherwise provided in this act, have complete direction and control over all of the construction, improvement, maintenance and repair of county roads, highways and bridges.

Sec. 2. The county engineer shall hold his employment for the term of four years from the date of his appointment; provided, that he may be removed at any time by the board of supervisors for inefficiency, neglect of duty, malfeasance or misconduct in office, or other good cause shown, upon written charges to be filed with and heard by the board of supervisors and sustained by a three-fifths vote of said board after a hearing as herein provided. Said board is hereby vested with the power to administer oaths, compel the attendance of witnesses and the production of books, papers and testimony. A copy of such charges shall be personally served upon said county engineer and he shall be given not less than ten days' time in which to file a written answer to the charges, and if it appears to the satisfaction of said board that the charges have been substantiated, the said board shall so notify said county engineer by mail, and such notice shall specifically state the findings and judgment of said board, and the board of supervisors of such county must thereupon forthwith remove such county engineer from office and shall immediately appoint his successor in the manner provided in section two of this act. Prior to entering upon the duties of his employment the county engineer shall file with the county clerk the oath of office as prescribed for the county officers and a bond conditioned upon the faithful performance of his duties, with sufficient sureties approved by a judge of the superior court, in the sum of five thousand dollars.

Sec. 3. The salary of the county engineer shall be fixed by the board of supervisors, and said salary, together with the compensation of said engineer's assistants, shall be paid monthly out of the county treasury of the county in which he is appointed and in the same manner as county officers. The county engineer shall also be allowed from the county treasury his actual traveling and other necessary expenses incurred in the performance of the duties of his employment, and shall be a charge against the general fund. The salary of the county engineer in the several counties shall be fixed by the board of supervisors of each county engineer in any county shall be not less than the compensation received by the county surveyor of that county at the time said county engineer is first appointed.

Sec. 4. The county engineer shall be ex officio road commissioner of and for each and every road district of his county, and, subject to the control and supervision of the board of supervisors as herein provided, shall have and exercise powers and duties hereinafter set forth and specified, and such duties as may hereafter be provided by law.

Sec. 5. The county engineer shall:

(a) Make, or cause to be made, all surveys, maps, plans, specifications and estimates necessary or required for the construction, improvement, maintenance and repair

of the county roads, highways and bridges, and shall, from and after the first Monday in September, 1919, have and exercise all the powers and duties, and perform all the functions which are now by law conferred or imposed upon county surveyors, except as herein otherwise provided.

(b) Examine and inspect, or cause to be examined and inspected, the work performed on such roads, highways and bridges, and report to the board of supervisors whether or not the work has been done in accordance with the plans and specifications and contracts therefor.

(c) Approve and certify to the progress estimates and allowances for work performed under all contracts for the construction, improvement, maintenance, or repair of county roads, highways and bridges.

(d) Inspect, or cause to be inspected, all county roads, highways and bridges within the county, and keep such roads, highways and bridges clear from obstructions, and when authorized by the board of supervisors he may employ all men, teams and equipment necessary to keep such roads in good repair when the same is not let by contract, and report to the board of supervisors with respect to such inspection and such work from time to time as said board shall require; and certify to the correctness of all pay rolls for work done by day labor or force account on county roads, highways and bridges.

(e) Have control and management under the general supervision of the board of supervisors of all county rock quarries, oil pits and depots, gravel pits and all materials, property, implements, instruments, tools, machinery and other appurtenances necessary for the construction, improvement, maintenance and repair of county roads, highways and bridges, and shall be the custodian of the plans therefor.

(f) He may also hold and perform the duties of the office of county surveyor, but in all such cases no salary or other compensation shall be paid to him as county surveyor. He shall not be interested either directly or indirectly in any contracts within his jurisdiction, nor shall he be interested in the purchase of materials, supplies or equipment of any kind used in connection with the performance of his duties under the provisions of this act.

(g) Prepare annually a budget showing in detail the needs of the county for construction, improvement, maintenance or repair of county roads, highways and bridges for the ensuing year, and submit the same to the county auditor and board of supervisors at least sixty days prior to the date of the meeting at which the board of supervisors is required to fix the county tax rate and levy the county taxes.

(h) Make a written report to the board of supervisors at their first regular meeting of each month, and in it he shall state the amount and character of work done, during the preceding month, the progress of any contracts under way, approximate cost of the work and matters pertaining to the public roads, highways, streets and bridges or other public works, which, in his judgment, shall be brought to their attention. This report shall contain the recommendation of acceptance or rejection of any public work completed, and all official announcements or statements which the engineer is required to make to the board. The size and form of these reports shall be uniform and upon blanks supplied by the state engineer and a copy shall be filed, one in the office of the board of supervisors and another in the office of the county engineer.

(i) On or before the first day of July of each year, file with the board of supervisors a complete report of the work of the preceding year, which report shall be in the form required and contain the information desired and requested by the state engineer and upon blank forms supplied by him. A copy of said report shall also be filed in the office of the board of supervisors.

(j) Perform such other duties pertaining to the construction, improvement, maintenance or repair of county roads, highways and bridges as the board of supervisors may prescribe.

Sec. 6. The board of supervisors shall provide by ordinance or resolution for the employment, when necessary, of additional field and office help by said county engineer, and shall prescribe the compensation to be paid to all persons so employed, for the time during which they may be actually engaged in the service of the county and for their actual necessary expenses incurred in the performance of their duty.

(Continued Next Week.)

ADVANCE NEWS

Official Proposals, Etc.

Building.

APARTMENT HOUSES.

Plans Being Prepared.
APARTMENTS. Cost, \$80,000
SEATTLE, Wash. Capital Hill, 11th Ave. and Federal St.
 Three-story and basement brick (16 5 and 6-room apartments.)
 Owner—Mrs. Mae Young.
 Architect—V. W. Voorhees, Eitel Bldg., Seattle, Wash.

To Be Done by Day's Work.
APARTMENT HOUSE Cost, \$20,000
GILROY, Santa Clara Co., Cal. Fifth Eigleberry streets.

Frame apartment house, 2 and 3 room apartments.

Owner—Wm. Radtke, Gilroy, Calif.
 Designer and Contractor—Owner.
 Work on removing the buildings on the present site will be commenced within the next few days. A steam heating system will be installed in the new building.

Segregated Figures Being Taken.
APARTMENTS Cost, —
SAN FRANCISCO, SW Fifteenth Ave. and Geary Street.

Two three-story frame apartment houses, 100x142; 24 3 and 4 room apts. (Colonial style with garage court between the buildings, fountain pool, etc. Basement garages.

Owner—Withheld.
 Architect—August Headman, Call Bldg., San Francisco.

Ready for Figures in About Ten Days
ADDITION Cost, \$7,000
SAN BRUNO, San Mateo Co., Cal.
 Add one story to present frame one-story building for apartment of 8 rooms.

Owner—Not given.
 Architect—Morrow & Garren, Chronicle Bldg., San Francisco.

Owner Taking Sub-figures.
APARTMENTS. Cost, \$50,000
SAN FRANCISCO, W Leavenworth 54 S Ellis.

Four-story brick apartment house.
 Owner—H. Hogrefe, 656 Post St., San Francisco.

Architect—E. E. Young, 251 Kearny, San Francisco.

BANKS.

Plans Being Figured.
BANK AND OFFICES Cost, \$500,000
SAN FRANCISCO, NW Eddy and Powell.

Six-story Class "A" bank and offices.
 Owner—Bank of Italy.
 Architect—Bliss & Faville, Balboa Bldg., San Francisco.

Complete new steel figures are being taken, also figures for the balance of the work. If the figures run too high, construction will be postponed for the present.

Plans Being Prepared.
ALTERATIONS. Cost, —
BURLINGAME, San Mateo Co., Cal.
 Extensive alterations to interior of bank
 Owner—Bank of Burlingame
 Architect—M. G. West Co., 365 Market St., San Francisco.

Contract Awarded.
BANK BLDG. Cost, —
GUSTINE, Merced Co., Cal.
 One-story, reinforced concrete and terra cotta bank building (branch bank).
 Owner—Bank of Newman.

Architects—Reed & Corlett, Oakland
 Bank of Savings Bldg., Oakland.
 Contractor—P. J. Walker, Monadnock Bldg., San Francisco.

Plans Being Prepared.
ADDITION Cost, \$20,000
NEWMAN, Stanislaus Co., Cal. "O" and Fresno streets.

Addition to stone bank building.
 Owner—Bank of Newman.
 Architect—Reed and Corlett, Oakland
 Bank of Savings Bldg., Oakland.

BONDS.

FALL RIVER, Shasta Co., Cal.—The election held in the Fall River Mills School District to vote bonds of \$3,000 with which to erect a new school building failed to carry.

HOLLISTER, San Benito Co., Cal.—The proposition to vote bonds of \$140,000 with which to finance construction of a new high school building, has been defeated. It is said the voters are in favor of a new building, but the manner in which the affair was handled caused much opposition.

A new election is planned by the Trustees of the District.

Preliminary plans for the proposed building have been prepared by Architect W. H. Weeks, 75 Post street, San Francisco.

CHURCHES.

Plans Approved. Bids to Be Called in About Ten Days.

CHURCH Cost, \$60,000
VALLEJO, Solano Co., Cal. Virginia street.

Brick Church Building.
 Owner—Methodist Episcopal Church of Vallejo.

Architect—Willson J. Wythe, Central Bank Bldg., Oakland.

Pipe organ and furnishings included in the \$60,000 cost.

COURTHOUSES.

SAN ANDREAS, Calaveras Co., Cal.—L. A. Danner Co., 20 N. California St., Stockton, submitted the only bid to the County Supervisors for painting, papering and varnishing the County Courthouse, Hall of Records and adjoining buildings, on its bid of \$556. This was the only bid submitted.

FACTORIES AND WAREHOUSES.

General Contract Awarded.
FACTORY Cost, \$100,00
SAN FRANCISCO, NW Bay & Stockton streets.

Three-story brick and mill construction factory building, 136x275.

Owner—Simmons Co., 198 Bay St San Francisco.

Architect—Owners.
 Contractor—Frank B. Peake, 1247 42nd Ave., San Francisco.

The owners are taking figures on some of the sub-contracts.

Plans to Be Prepared. Construction Will Not Be Started Until Spring.
WAREHOUSE Cost, —
SACRAMENTO, Cal. 1309 Front St.

Two-story concrete warehouse, 84x152
 Owner—The Simpson Estate, Sacramento, Calif.

Architect—Not yet selected.

Plans Being Figured.
FACTORY. Cost, —
PORTLAND, Ore. Sandy Blvd. between 19th and 20th Sts.

Two-story and basement reinforced concrete factory, 100x140.

Owner—Joseph Simon.
 Architect—E. B. MacNaughton, Concord Bldg., Portland, Ore.

SACRAMENTO, Cal.—The City Commissioners have passed an ordinance re-creating the position of Superintendent of Streets and have slated Jay C. Nurse for the position.

WINNEMUCCA, Nevada.—George Weideman, construction engineer, and formerly with the construction department of the Southern Pacific Company, plans to erect a toy factory in this city. Machinery and other equipment for the proposed plant has already been purchased.

Plans Being Prepared.
FACTORY. Cost, \$500,000
LOS ANGELES.

Six-story Class "A" reinforced concrete factory building.

Owner—Brownstein-Louis Co.

Architect and Contractor—Milwaukee Building Co., Wright and Callender Bldg., Los Angeles.

Plans Being Prepared. Ready for Figures in a Few Days.

FACTORY. Cost, \$100,000
STOCKTON.

Group of five one-story Class "C" (hollow tile) factory buildings.

Owner—Not given.
 Architect—Albert W. Burgren, 30 Woodland Ave., San Francisco.

FIRE HOUSES AND JAILS.

Plans Approved. Figures to Be Called Next Month.

FIREHOUSE Cost, \$30,000
REDWOOD CITY, San Mateo Co., Cal.

Two-story Class "C" firehouse and memorial hall.

Owner—City of Redwood City.
Architect—J. R. Miller, Lick Bldg.,
San Francisco.

It is planned to call for figures shortly to be opened about the last week in September.

CHICO, Butte Co., Cal.—Trustee O. E. Tracy, Chairman of the Fire, Light and Water Committees of the City Council, has been instructed to employ an architect to prepare plans for altering the old fire house building into a modern structure.

GARAGES.

Contract Awarded.
SHOP & GARAGE. Cost, \$13,000
SAN FRANCISCO. SE 5th and Harrison.

One-story Class "C" brick machine shop and garage.

Owner—Geo. Caesar; lessee, McDonald Motor and Truck Co.

Architect—J. F. Dunn, Phelan Bldg., San Francisco.

Contractor—F. L. Hansen, 2000 Polk, San Francisco.

Plans Nearing Completion.

FACTORY. Cost, \$75,000
PORTLAND, Ore. Fifteenth street.
One-story reinforced concrete (200x150) factory and garage.

Owner—Ukase Investment Co. Lessee, Laher Auto Spring Co.

Architect—Emil Schacht, Commonwealth Bldg., Portland, Ore.

Plans Prepared. To Take Figures Shortly.

AUTO TRUCK PLANT. Cost, \$42,000
SEATTLE, Wash. NW 3rd avenue and Wall street.

Two-story brick and mill construction (120x180) auto truck plant.

Owner—Pacific States Motor Truck Co.

Architect—Stephen & Stephen, New York Block, Seattle, Wash.

Figures Being Taken.

GARAGE. Cost, \$60,000
OAKLAND, Cal. Webster Street.
Four-story reinforced concrete garage building, 140x125.

Owner—Withheld.

Architect—M. I. Diggs, 1519 Broadway Oakland.

Segregated Figures to Be Taken Next Week.

GARAGE. Cost, \$16,000
OAKLAND. SE Webster and 23rd Sts
One-story and mezzanine floor Class "C" commercial garage.

Owner—H. A. Mitchell.

Lessee—P. K. Webster Co.
Architect—Reed & Corlett, Oakland
Bank of Savings Bldg., Oakland.

GOVERNMENT WORK & SUPPLIES.

Navy Department, Office of the Chief of the Bureau of Yards and docks, Washington, D. C.—Sealed bids are wanted until September 10, 1919, specification 4008, for torpedo racks at Kuahua, H. T. Estimated cost, \$28,000. Deposit, \$10. For further information address the chief of bureau.

Department of the Interior, United States Reclamation Service, Washington, D. C., August 8, 1919.—Sealed proposals will be received at the office

of the United States Reclamation Service, Denver, Colo., until 2 o'clock p. m., October 1, 1919, for furnishing balanced needle valves, high pressure emergency gates and sluice gate for the north tunnel of the Pathfinder dam, North Platte project, Nebraska-Wyoming. For particulars address the United States Reclamation Service, Washington, D. C., or Denver, Colo. A. P. DAVIS, Chief Engineer.

Bureau of Yards and Docks, Navy Department, Washington, D. C.—Sealed bids are wanted until September 10 under specification 4007 for water and sewer system and fuel oil reservoir at San Diego, Calif. Estimated cost, \$225,000. Deposit for plans, \$10. For information address above office.

The following is a list of prospective bidders for this work:

Hyde & Baxter, 711 13th street N. W., Washington, D. C.

White City Electric Co., Washington, D. C.

H. D. Hallett, 132 Downer Place, Aurora, Ill.

Whitlock Coil Pipe Co., Hartford, Conn.

Standard Water Systems Co., Hampton, N. J.

John W. Danforth Co., 70 Ellicott street, Buffalo, N. Y.

PANAMA CIRCULAR 1299—Proposals for iron pipe, pipe fittings, lavatory fittings, range boilers, sheeting, cotton rope, glass and blueprint paper.—Sealed proposals will be received at the office of the general purchasing officer, the Panama Canal, Washington, D. C., until 10:30 o'clock a. m. September 9, 1919, at which time they will be opened in public, for furnishing the above mentioned articles. Blanks and information relating to this circular (1299) may be obtained from this office or the office of the assistant purchasing agent, Fort Mason, San Francisco, Calif.; also from the United States engineer offices in the principal cities throughout the United States. A. L. FLINT, General Purchasing Officer.

Plans Being Figured. Bids Close September 12, 1919, at 11 a. m.

STOREHOUSE. Cost, \$130,000
BENICIA, Solano Co., Cal. Benicia Arsenal.

One-story brick, hollow tile and concrete walls artillery storehouse, 160x514.

Owner—United States Government.
Architect—Engineering Department
Benicia Arsenal.

HALL AND SOCIETY BUILDINGS.

Bids to Be Called for in About Ten Days.

CITY HALL. Cost, _____
TULARE, Tulare Co., Cal.

Two-story Class "C" municipal auditorium and City Hall.

Owner—City of Tulare.

Architects—W. C. Perry and G. B. Sturgeon, Newhall Bldg., San Francisco.

HOSPITALS.

Segregated Figures Being Taken.

HOSPITAL. Cost, _____
OAKLAND, Alameda Co., Cal. Fruitvale Hills.

Two-story reinforced concrete hospital building (1st unit.)

Owner—California Memorial Hospital Co., 447 Monadnock Bldg., San Francisco.

Architect—Carl Werner, Phelan Bldg., San Francisco.

Plans may be obtained from Mr. Hobson, 447 Monadnock Bldg., San Francisco.

SANTA ROSA, Sonoma Co., Cal.—Articles of incorporation have been filed with the County Clerk by the Liberty Hospital of Santa Rosa. The incorporators are Charles A. Wright, Ney L. Donovan, Frank P. Doyle, James R. Edwards, Glenn E. Murdock, Charles E. Lee and Alfred Trembley. The articles declare it is the intention of the company to erect and maintain a modern hospital building in Santa Rosa.

HOTELS.

MARYSVILLE, Yuba Co., Cal.—The following bids were received by Architect Chester Cole, Waterland-Breslau Bldg., Chico, for alterations to the U. S. Hotel building in Marysville: Rolla Thompson, 105 B St., Marysville (awarded con-

tract)	\$8,523
F. E. Sabin	8,700
L. E. Hite	9,525
I. C. Evans	9,942

LIBRARIES.

SACRAMENTO, Cal.—The Library Trustees are planning the expenditure of \$27,000 for fitting up modern library quarters in the County Courthouse.

POWER PLANTS.

ASTORIA, Ore.—The Pacific Power & Light Company has purchased a 15-acre tract on Young's Bay, where it is planned to construct a \$750,000 power plant.

Plans Being Figured.

PACKING PLANT. Cost, \$75,000
MODESTO, Stanislaus Co., Cal. One mile south of Modesto on the Crows Landing road.

One-story brick and concrete, 60x100, packing plant.

Owner—Modesto Packing Co., A. Wilcox, Secretary-Treasurer, Modesto, Calif.

Architect—Not given.

Plans may be seen at the Palace Market, 810 Tenth street, Modesto.

HANFORD, Kings Co., Cal.—The City Trustees have decided to make additions and repairs to the old laundry building in the Courthouse Park as a rest room for women and children. The structure will be replastered and redecorated and minor additions made. Installation of modern plumbing, etc., will be provided for.

COLUSA, Colusa Co., Cal.—Owing to the small premium offered for the \$20,000 bond issue, recently voted to finance construction of a municipal bathhouse, the City Trustees have rejected the bids and will call for new offers.

Plans for the building to be erected have been prepared by Architect Ed-

win J. Symmes, 1700 Pearl St., Alameda.

ALAMEDA, Alameda Co., Cal.—The City Council has decided to make repairs on the City Hall building. The present plastering will be repaired, painting and redecorating and minor other alterations will be made on the building.

BERKELEY, Alameda Co., Cal.—The Park Board has recommended to the City Council that immediate steps be taken for the erection of comfort stations at South Berkeley. The action was taken on the petition of the South Berkeley Chamber of Commerce.

RESIDENCES.

Contract Awarded.

REPAIRS AND ALTERATIONS

Cost, \$20,000

HILLSBOROUGH, San Mateo Co., Cal. Repairs to burned portion and alterations to residence.

Owner—Mrs. Tobin.

Architect—D. J. Patterson, 46 Kearny St., San Francisco.

Contractor—Ludley & Wiseman, San Mateo.

Contract Awarded.

BUNGALOWS. Cost, \$135,000
SACRAMENTO, Cal. Howell-Clark Tract, Tenth, Riverside Road, X and Y streets.

Twenty-eight one-story and basement frame bungalows.

Owner—J. C. Carly Co., 823 J St., Sacramento, Calif.

Architect—Not given.

Contractor—W. W. Norris, 3012 G St., Sacramento, Calif.

Owner Taking Segregated Figures.

APARTMENTS. Cost, \$46,000
SAN FRANCISCO. W Commonwealth Avenue 100 N Geary Street, 40x 120.

Three-story frame apartment house 5 6-room and 1 4-room apts.; 2 bathrooms & service room each.

Owner—O. E. Anderson, 40 Atalaya St., San Francisco.

Architect—A. H. Knoll, Hearst Bldg., San Francisco.

Plans Being Figured.

ADDITION. Cost, —
BERKELEY, Cal. Claremont Court. Add two rooms and general alterations to two-story residence.

Owner—Mrs. Catherine Gaddis.

Architect—Henry H. Gutterson, 278 Post, San Francisco.

Contract Awarded.

ADDITION. Cost, \$4000
YUBA CITY, Sutter Co., Cal. Near Yuba City.

Two-story frame (addition) to residence (8 rooms.)

Owner—G. L. Walton.

Architect—Chester Cole, Waterland-Breslau Bldg., Chico, Calif.

Contractor—J. O. Palm, Marysville, Calif.

Plans Being Figured.

RESIDENCES. Cost, \$6,000 to \$9,000
SAN FRANCISCO. St. Francis Wood. Three two-story frame residences (6 8 and 9 rooms each and a one-story 5-room bungalow.)

Owner—Withheld.

Architect—Henry H. Gutterson, 278 Post St., San Francisco.

Contract Awarded.

RESIDENCE. Cost, \$25,000
SAN FRANCISCO. S Jackson 117-6 W Maple.

Two-story and basement frame and stucco residence.

Owner—Robert S. Atkin.

Architect—J. F. Dunn, Phelan Bldg., San Francisco.

General contract awarded to F. L. Hansen, 2000 Polk St., for \$12,000.

Grading and concrete work to R. J. H. Forbes, Monadnock Bldg., \$6,000.

Figures are being taken for elevators, electric work and painting.

Plans Being Prepared.

ALTERATIONS. Cost, —
BURLINGAME, San Mateo Co., Cal.

Extensive alterations to residence.

Owner—Mrs. Josephine McCabe.

Architect—E. L. Norberg, Bankers Investment Bldg., San Francisco.

Contract Awarded on a Percentage Basis.

RESIDENCE, ETC. Cost, \$22,500
PLACENTIA, Orange Co., Cal.

Two-story and basement frame and plaster residence (10 rooms and 3 bathrooms), garage and billiard room building.

Owner—C. C. Wagner.

Architect—Alfred F. Priest, 615 Fay Bldg., Los Angeles.

Contractor—Frank K. Benchley, Fullerton.

Ready for Figures Next Week.

RESIDENCE. Cost, \$5,000
RICHMOND, Contra Costa Co., Cal.

Mira Vista Tract.

Two-story frame residence.

Owner—A. C. Morehead.

Architect—John Hudson Thomas, 1st National Bank Bldg., Berkeley.

Revised Plans Ready for Figures in a Few Days.

RESIDENCE. Cost, \$12,000
SAN FRANCISCO. Merritt Terrace.

Two-story frame residence (10 rooms plaster exterior)

Owner—G. M. Merritt.

Architect—Lewis P. Hobart, Crocker Bldg., San Francisco.

Plans Being Prepared.

BUNGALOW. Cost, —
PEBBLE BEACH, Monterey Co., Cal.

One-story frame bungalow.

Owner—Mr. Henry Stockton.

Architect—Lewis P. Hobart, Crocker Bldg., San Francisco.

Sub-figures Being Taken.

ALTER & ADD. Cost, \$13,000
WOODLAND, Yolo Co., Cal.

Alter and add to two-story frame residence.

Owner—C. F. Thomas.

Architect—John Hudson Thomas, 1st National Bank Bldg., Berkeley.

Superintendent—E. L. Younger, Porter Bldg., Woodland.

Work has been started by Day Labor.

Contract Awarded.

ALTERATION. Cost, \$3,000
BERKELEY, Cal. Claremont District

Add two-story frame residence.

Owner—W. T. Wood.

Architect—John Hudson Thomas, 1st National Bank Bldg., Berkeley.
Contractor—Geo. Scott, 685 23rd St. Oakland.

Plans Prepared.

ADDITION. Cost, \$250
BERKELEY. Thousand Oaks.

Addition to two-story frame residence

Owner—Mr. Fill.

Architect—John Hudson Thomas, 1st National Bank Bldg., Berkeley.

CONTRACT AWARDED.

RESIDENCES. Cost, \$6,000 each
SAN FRANCISCO. Merritt Terrace

Three two-story and basement frame residences and basement garage

(8 rooms each)

Owner—Niels Schultz.

Architect—Not given.

Contractor—Schultz Construction Co. 46 Kearny St., San Francisco.

SCHOOLS.

Plans Being Prepared.

ADDITION. Cost, \$10,000
ALAMEDA, Alameda Co., Cal. Wash-

ington School.

Addition to school (finish community rooms, etc).

Owner—City of Alameda.

Architect—Henry H. Meyers, Kohl Bldg., S. F.

Plans will be ready for figures in

Plans Being Figured.

SCHOOL. Cost, —
LONG BEACH, Los Angeles Co., Cal.

Two-story brick and concrete school

24 classrooms, kindergarten, cafeteria, study rooms, sloyd and domestic science departments and an auditorium to seat 500 people.

Owner—City of Long Beach.

Architect—W. Horace Austin, Long Beach, and J. C. Austin, Baker-

Detwiler Bldg., Los Angeles.

Bids will be received separately for the general work, plumbing, painting, electric wiring and heating and ventilating

Bids to Be Called in October.

SCHOOL. Cost, \$16,000
POTTER VALLEY, Mendocino Co., Cal.

One-story reinforced concrete school

(4 rooms and auditorium).

Owner—Potter Valley School District.

Chas. E. Hardisty, Clerk.

Architect—Norman R. Coulter, 46 Kearny St., San Francisco, Calif.

Note: It is planned to sell the bonds to finance construction the early part of October so bids may be called and construction started the latter part of that month.

REDWOOD CITY, San Mateo Co., Cal.—Property owners in the Barney

Tract and the North Fair Oaks subdivision have petitioned the Redwood

City Grammar School District to erect a school building in their territory.

From present indications the petition will be favorably acted upon.

SACRAMENTO, Calif.—The contract for the enlarging of the heating and ventilating plant at the William

Land School has been awarded by the Board of Education to the Latourette-Fical Company, which bid \$1,730

for the work. Hateley & Hateley bid \$1,953.

TURLOCK, Stanislaus Co., Cal.—The Turlock High School Trustees have awarded contract to O. D. Williams at \$3,875 for the erection of two temporary school buildings.

Other bids were:
J. F. Knapp \$3,980
John D. Carlson 4,032
The buildings will be of frame construction and will cover a ground area of 24x56 feet each.

SACRAMENTO, Cal.—Details for the proposed \$3,000,000 bond issue to finance construction of new schools and additions to the present buildings are being completed. Under the issue the following improvements are planned:

Lincoln School, Fourth and Q Sts.; the purchase of an additional half block of ground, an addition of eight rooms and an auditorium.

Jefferson School, Sixteenth and N streets; abandon the present site, purchase half a block and erect a new 12-room building.

Fremont School, Twenty-fourth and N streets, purchase another half block, tear down the old building and build a new twenty-four room structure and combine the Fremont and Sutter Schools, the latter now at Twenty-first and L streets.

Newton Booth School Twenty-sixth and V streets; abandon the present site, buy a block of ground and erect a twenty-four room building.

East Sacramento, Cutter avenue and J street; abandon the present site of a sixth of a block, buy a tract of five or six acres and erect a building commensurate with the needs there when the building is constructed.

Elmhurst, new site and building.
Franklin School; abandon the present site and purchase five acres, erecting a new building.

Vine Street School, to be moved in and a new site and building secured.

McKinley School, Seventh and G streets, purchase an additional half a block or a new site of a block, and add to the present building or erect a good wooden structure.

Stanford School, Oak Park, enlarge the site to a full block and erect a standard twenty-four room building.

Bret Harte School, Oak Park, abandon the present site and move west of the business section, purchasing five acres and erecting a new and modern building.

Palmetto School, development to depend upon the location of the Bret Harte School.

Highland Park, abandon the present site and purchase five acres, and erect a standard building.

New High School, erect new polytechnic school on the eleven-acre site, near Thirty-fifth and V streets, to cost \$500,000.

Riverside, purchase additional land for a site and build a larger school.

Edward Haynes is President of the Board of Education.

NAPA, Napa Co., Cal.—A number of petitions have been received by Superintendent of Schools, Miss Jackson, asking the formation of a union high school district comprising the following districts: Pope, Upper Pope, Hardin and Olive Districts.

After forming the district a bond election will be held to raise funds

with which to erect a new high school building.

Plans Being Figured.
SCHOOL Cost, \$—
BRENTWOOD, Contra Costa Co., Cal.
One-story reinforced concrete school.
10 classrooms, auditorium, etc.
Owner—Brentwood High School District.
Architect—Jas. T. Narbett, 910 Macdonald Ave., Richmond, Cal.

Contracts to Be Awarded First of Next Week.

SCHOOL Cost, \$—
BERKELEY, Alameda Co., Cal.
Dwight Way opp. Bowditch.
Three-story and basement brick and terra cotta school building.
Owner—Berkeley Baptist Divinity School, 2601 Dwight Way, Bkly.
Architect—Miss Julia Morgan, Merchants' Exchange Bldg., San Francisco.
Bids are in and contracts will be awarded next week.

STORES AND OFFICES.

Sub-contracts Awarded.
OFFICE BLDG. Cost, \$130,000
OAKLAND, N 16th street 100 W
Telegraph Avenue.

Four-story Class "C" office building.
Owner—East Bay Water Co., 9th and Broadway, Oakland.
Architect—Wm. Knowles, Hearst Bldg San Francisco and Central Bank Bldg., Oakland.

Electric Wiring awarded to Newberry Electric Co., 163 Sutter St., San Francisco.

Plumbing, to Fred'k W. Snook Co., 596 Clay St., San Francisco.

Elevators, to Otis Elevator Co., Beach and Stockton Sts., S. F.

Steel Bars, to Edw. L. Soule, Rialto Bldg., San Francisco.

Millwork, to Pacific Mfg. Co., 177 Stevenson St., San Francisco.

Lumber, to Sunset Lumber Co., Oak, First and Water Sts., Oakland.

Terra Cotta, to N. Clark & Son, 116 Natoma St., San Francisco.

Figures are being taken for brick work, painting, etc.

Plans Being Prepared.
BRICK BLDG. Cost, \$10,000
SAN FRANCISCO. 12th St. near Market.

One-story brick auto accessory Bldg.
Owner—Mr. Marx.

Architect—Jos. L. Stewart, Claus Spreckels Bldg., San Francisco.

Plans Being Prepared. Ready for Figures in Ten Days.

ALTERATIONS Cost, \$25,000
SAN JOSE, Santa Clara Co., Cal.

Extensive alterations to store.
Owner—Ritch & Yewer, 119 So. First St., San Jose.

Architect—Joseph Chen, 333 Kearny St., San Francisco.

Contract Awarded. Sub-figures Being Taken by Contractors.

ALTERATIONS. Cost, \$85,000
SAN FRANCISCO. S Market Bet. 4th and 5th (The Emporium).

Move stairway from 2nd to 7th floors, install four new elevators in Class "A" department store,

Owner—Parrott Estate, Premises.
Engineer—T. Ronneberg, Crocker Bldg., San Francisco.
Contractor—Dinwiddie Construction Co., Crocker Bldg., San Francisco.

Plans Being Prepared. (MARKET). Cost, \$20,000
LOS ANGELES. Wilcox Ave. and Hollywood Blvd.
One-story brick market building, 64x120.

Owner—Dr. T. Nakati.
Architect and Contractor—Milwaukee Bldg. Co., Wright and Callender Bldg., Los Angeles.

Preliminary Plans Complete.
STORES & LOFTS. Cost, \$125,000
BAKER, Ore. Main street.
Two-story and basement fireproof stores and lofts, 200x100.

Owner—Basche-Sage Hardware Co., Main street, Baker, Ore.
Architect—H. W. Bond, Baker, Ore.

Plans Being Figured.
ALTERATIONS. Cost, \$3500
SAN FRANCISCO. SE McAllister and Divisadero.

Store front alterations.
Owner—Rivers Bros.
Architect—C. A. Meussdorffer, Humboldt Bank Bldg., S. F.

Plans Being Figured.
ALTERATION. Cost, \$8500
SAN FRANCISCO. SE Eddy and Mason.

Alter and install new store fronts.
Owner—A. W. Wilson.
Lessee—Selix Clothing Co.
Architect—C. A. Meusdorffer, Humboldt Bank Bldg., S. F.

Construction Expected to Start in Ten Days.

DEPARTMENT STORE. Cost, \$60,000
MODESTO, Stanislaus Co., Cal. 10th St. between J and K Sts.

Two-story steel and brick, 100x140, department store.

Owner—William McIndoo, Modesto, Architect—Not given.

ALTERATION Cost, \$3,000
SAN FRANCISCO. 359 Sutter St.

Alter store.
Owner—Dr. Meyers.

Architect—Samuel L. Heyman, Crocker Bldg., San Francisco.

THEATRES.

Plans Being Figured.
THEATRE, ETC. Cost, \$60,000
WHITTIER, Los Angeles Co., Cal.

Three-story hollow tile theatre and store building, 55x145 (1600 seats, 2 stores).

Owner—H. J. Siler, Truman Berry & J. H. Givin.

Architect—Walker & Eisen, 1402 Hi-bernian Bldg., Los Angeles.

Plans Being Prepared.
THEATRE. Cost, \$100,000
MODESTO, Stanislaus Co., Cal.

One-story and balcony Class "A" theatre (1800 seating capacity.)

Owner—San Francisco men.

Architect—Reid Bros, 105 Montgomery, San Francisco.

Plans will not be ready for figures for about three weeks.

BAKERSFIELD, Kern Co., Cal.—Currie & Dulgar, 1029 Nile St., Bakersfield, have been awarded a contract for remodeling the Scribner Opera House. The entire interior will be torn out and rebuilt. The work will include new opera chairs, pipe organ, lighting system, heating and ventilating system, etc. Orville L. Clark, Bakersfield, is the architect.

Sketches Being Prepared.

ALTERATIONS. Cost, —
SAN FRANCISCO. N McAllister —
W Jones.

Extensive alterations to Class "A" theatre building (Savoy Theatre). Owner—H. A. Whiting, care Best Steel Casting Co., Hobart Bldg., San Francisco.

Architect—Name withheld.

Bids Wanted for Excavating.

THEATRE Cost, \$45,000
SEATTLE, Wash. University District. Brick and reinforced concrete moving picture theatre, 60x103. Seating capacity on main floor 1,000, balcony 300.

Owner—H. W. Bruen, Majestic Theatre, Ballard, Wash., and Frank Fohr of New York.

Architect—E. W. Houghton, Lumber Exchange Bldg., Seattle, Wash.



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BONDS.

MARTINEZ, Contra Costa Co., Cal.—The City Supervisors have sold to R. H. Moulton Co., of San Francisco the \$1,350,000 block of county highway bonds out of the \$2,600,000 bond issue. The premium was \$10,050.

LEAVENWORTH, Wash.—At a recent meeting of the County Good Roads Committee it was decided to adopt a road building program as follows: Concrete road between Wenat-

chee and Leavenworth, about 20 miles, at an estimated cost of \$597,000, of which \$300,000 will be paid out of the bond issue, to which must be added \$70,000 for the Cashmere bridge, making the approximate cost of the concrete road between Leavenworth and Wenatchee, \$880,000. It was recommended that the election be called and the bonds issued and sold at the earliest possible moment.

FRESNO, Fresno Co., Cal.—The County Supervisors have sold \$1,000,000 worth of county highway bonds out of the recently voted \$4,800,000 issue.

VALEJO, Solano Co., Cal.—The City Council will shortly call a bond election to finance the paving of approaches to the causeway and ferry to Mare Island. This work will cost about \$13,000. The Trustees also plan to bond the city for repaving the petalithic streets. The ballot will provide for the two projects to be voted upon separately. In all it is estimated an issue of \$140,000 will be necessary.

WOODLAND, Yolo Co., Cal.—Bonds of \$1,000,000 have been voted by the voters of Yolo County. The issue carried by a vote of four to one.

Proceeds of the sale of the bonds will finance the construction of 74 miles of modern county highways.

ANTIOCH, Contra Costa Co., Cal.—The City Council has ordered the City Attorney to prepare the necessary proceedings for calling a bond election to decide the question of issuing bonds with which to finance construction of a sewer in F street from Tenth street to the river.

SAN MATEO, San Mateo Co., Cal.—The City Trustees are planning to call a bond issue to decide the question of issuing and selling bonds with which to finance construction of a municipal water system. It is probable that an issue providing \$400,000 for the system will be voted upon.

SACRAMENTO, Cal.—As no bids were presented for the \$15,000,000 block of State Highway bonds the State Treasurer, Friend W. Richardson, has decided to extend the time for opening bids for the purchase of same until September 11th, 2 p. m.

BRIDGES, DAMS AND HARBOR WORK.

PHOENIX, Ariz.—The Alamos Land & Irrigation Co. has made application with the state corporation commission for permission to sell \$250,000 worth of bonds. It is said arrangements have been made to sell the bonds and the proceeds will be used in the construction of a 100-ft. dam 20 miles west of Congress Junction. W. T. Sawyer of Congress, and Daniel E. Parks of Prescott, are officers of the company.

REDDING, Shasta Co., Cal.—The County Supervisors have rejected the only bid received for the construction of the Millville Bridge, to be erected over Cow Creek, at \$18,118, this amount being considered too high.

The bid was submitted by Wm. Stephens.

It is probable that new bids will be called.

SEATTLE, Wash.—The General Petroleum Co., of Los Angeles, has awarded a contract to J. A. McEachern Co., Bell Street Dock, Seattle, for the construction of two crescent piling loading piers, one of which will be 600 feet in length, extending into Elliott Bay, from the north end of Harbor Island.

MARTINEZ, Contra Costa Co., Cal.—Bids have been ordered received by the County Supervisors up to September 15th, 11 a. m., for building a concrete bridge at Walnut Creek between stations 161 and 293 of County Highway Survey.

Plans may be had from the County Clerk at Martinez.

SACRAMENTO, Cal.—The California State Highway Commission has accepted the proposition of the Sierra County Supervisors to plan and build a permanent bridge over the north Yuba River on the Downleville lateral, the county of Sierra agreeing to pay the cost in two annual payments. The Highway Commission has also agreed to permit Sierra County to build a temporary bridge over Fiddle Creek, the same to be replaced later by a permanent bridge, when the county's finances will permit.

SACRAMENTO, Cal.—The Trust Basin, report that Engineer J. C. Boyd will present plans to the Reclamation Board at its meeting in September for drainage and ditch work planned by the District for irrigation purposes.

SEATTLE, Wash.—The City Engineer has been instructed to make test borings for the proposed \$750,000 steel bascule bridge to be constructed across the west waterway at West Spokane street.

SAN FRANCISCO—The Supervisors have passed an ordinance authorizing City Engineer M. O. Shaughnessy to make a preliminary investigation on the proposition of building a bridge across the Golden Gate from San Francisco to Marin County.

OROVILLE, Butte Co., Cal.—The County Supervisors have approved plans and bids will be called for shortly for the construction of a bridge to replace the old Warren Green structure over Butte Creek on the Gridley-Colusa road. The bridge will cost about \$6,000.

SAN DIEGO, Cal.—De Waard Bros., San Diego, submitted the lowest bid at \$19,496.50 for the construction of a reinforced concrete girder type bridge, consisting of four 35-foot spans over Agua Hedionda Creek about 1 1/4 miles south of Carlsbad. The other bids received by the Board of Supervisors were: B. B. Boyd, \$20,160; Wright & Doran, \$20,522.25; Mercereau Bridge & Construction Co., \$21,902; and W. M. Lodbetter & Co., \$22,567.

SACRAMENTO, Cal.—The State Reclamation Board does not approve of the application of Sutter County to construct the proposed Mawson bridge across Butte Slough between the Marysville buttes and District No. 70. Objection was made to the thirty-foot space between piers, the board holding out for 40-foot spans, as on the long bridge further south.

EUREKA, Humboldt Co., Cal.—The County Supervisors have voted \$16,000 toward the construction of the concrete bridge across Bear Creek in the vicinity of Pepperwood. It was at first planned to erect a wooden structure costing that amount, but on recommendation of the State Highway Commission, a concrete structure was decided upon when the Commission offered to pay the balance. Eight thousand dollars were also voted to finance construction of a concrete bridge over Dean Creek.

REDWOOD CITY, San Mateo Co., Cal.—The Redwood City Trustees have awarded a contract to Chas. J. Lindgren of Burlingame, on his bid of \$26,547, for constructing reinforced concrete bridges as follows:

Across Redwood Creek on Broadway between Washington St. and Main St.

Across branch of Redwood Creek on Webster St. between East Jefferson avenue and Broadway.

Across branch of Redwood Creek on Maple street between Southern Pacific Company right-of-way and Franklin street, and channel excavation included therewith.

Other bids received were as follows:

J. H. Wilson, San Mateo.....	\$31,262
T. B. Cowden, San Francisco.....	36,488
A. J. Grier, Oakland.....	38,030

STOCKTON, San Joaquin Co., Cal.—After considerable delay the County Supervisors have awarded a contract to D. E. Burgess, 1250 N. Sierra Nevada St., Stockton, for painting twenty-nine county bridges on his bid of \$11,998.

Other bids were submitted as follows:

D. Zelinsky & Sons, Inc.....	\$38,000
J. A. Mohr & Son.....	36,676
Jenkins & Wells.....	24,545

The delay in awarding the contract was caused through the amount of the low bid received, the Supervisors considering the bid too low.

Eugene D. Graham is County Clerk

PASCO, Wash.—Bids for the construction of the 2nd largest bridge between Portland, Ore., and Vancouver, Wash., will be opened by the County Supervisors of Franklin and Walla Walla Counties on September 17th.

The structure will be 1556 feet long of steel construction, and will be constructed across the Snake River on the Inland Empire Highway. It will be divided into six huge spans, the greatest a cantilever span of 300 feet, with two 259-foot anchor arm steel spans, two 260-foot steel spans and one 217-foot steel span.

This structure is estimated to cost \$350,000 and will provide a new thoroughfare from this State into Oregon from the Inland Empire.

IRRIGATION PROJECTS.

PROSSER, Wash.—The \$18,000,000 bond issue with which to finance construction of the Horse Heaven Irrigation District has been approved. The district plans to place 315,000 acres of prairie land under irrigation.

The district occupies practically all of the lower half of Benton County, north of the Columbia River, from which water will be taken to irrigate the land. Several large pumping plants will be installed at Longview, Plymouth and Colbia and carried to the flats where it will be distributed by gravity. The tentative plans provide for concrete lined main canals with earth laterals. The pumping plants are estimated to cost \$2,500,000, the balance of the bond issue to be used in the irrigation system proper.

TURLOCK, Stanislaus Co., Cal.—As a result of a recent inspection trip the directors of the Turlock Irrigation District have definitely determined to ask voters of Turlock District for a bond issue of \$500,000 to be employed in providing drainage ditches and canal linings. With the annual special tax provided by law for this purpose the amount available during the next three years for these purposes will be \$600,000.

It is proposed to incorporate this half million bond issue with the amount that will be asked for the construction of the Don Pedro dam and reservoir, petitions for which are now in course of preparation. This will bring the total amount of new bonds to be voted upon up to approximately \$3,200,000, which is something less than \$2 per acre for the entire area of irrigable land in the district.

MADERA, Madera Co., Cal.—State Engineer W. F. McClure has approved plans for the proposed Madera Irrigation District, and work on the project will be placed under way as soon as possible. More than 200,000 acres will be put under irrigation. A gravity type concrete dam 310 ft. high and 3900 feet long at the top will be constructed to impound the waters of the San Joaquin River, creating a reservoir with a capacity of one million acre feet.

HILLSBOROUGH, San Mateo Co., Cal.—Rudger-Merle Co., 180 Bay St., San Francisco, has offered the Town Trustees to install electroliners for \$85 each, or approximately \$35 for each 50-foot frontage on Main street. The offer has been referred to property owners on Main street, and their decision will be submitted to the Trustees at their next meeting.

MACHINERY.

SAN LEANDRO, Alameda Co., Cal.—The B. F. Crear Machinery Co., 2318 22nd Ave., San Francisco, have submitted an offer to the City Trustees for a rebuilt 10-ton one-cylinder gasoline road roller. As a roller is needed for the street department of the city, the Council appointed the City Marshal to inspect same and report at the next meeting.

HANFORD, Kings Co., Cal.—Bids will be received by the Trustees of

the Hanford Union High School District up to September 8th, 9 p. m., for furnishing and delivering to said school two 1½ ton auto busses, capacity about thirty persons, busses to be equipped with pneumatic cord tires.

Further information can be had from George W. Armstead, Clerk of the Board of Trustees of the Hanford Union High School District at Hanford.

SACRAMENTO, Cal.—The road planner, ordered by the City Commissioners on trial for smoothing the rough surface on streets in this city, has been lost in shipment, and it is probable that new bids will be asked.

The time for awarding the contract has expired and, according to City Attorney Vell, the City Commission has been advised that the contract can be rescinded and new bids called.

EL CERRITO, Contra Costa Co., Cal.—The City Trustees at their next meeting will consider the recommendation presented at the last session, advising the purchase of a grading machine.

SEWERS, STREET WORK, ROADS AND WATER SYSTEMS.

RICHMOND, Contra Costa Co., Cal.—The City Council has passed a resolution of intention providing for the improvement of Forty-seventh street between Cutting Boulevard and Potrero avenue by grading, paving with a 5-inch cement concrete base with a wearing surface of asphalt and broken rock, construction of curbs, gutters, sidewalks, drains, all of cement concrete construction, and the construction of concrete and corrugated iron or steel culverts and curb bars of galvanized steel.

MARYSVILLE, Yuba Co., Cal.—The City Trustees have passed a resolution of intention providing for the improvement of Fifth street between "B" and "D" streets; Sixth street between "A" and "C" streets and D street from Fifth to Ninth street, by removing 83 linear feet of brick curb, installing 48 feet of 6-inch sewer pipe, constructing 2 catchbasins, concrete curbs and gutters, grading, and laying a bituminous pavement 3 inches thick with a bitulithic wearing surface two inches thick.

Geo. W. Richards is City Clerk.

SANTA ROSA, Sonoma Co., Cal.—H. E. Godegast, formerly with the State Highway Commission, and more recently with the Fresno County Highway Commission, has been appointed as assistant engineer on the highway system planned by the Sonoma County Supervisors, under a recently voted bond issue.

REDDING, Shasta Co., Cal.—D. E. Henry, Senior Highway Engineer of the office of Public Roads of the United States Department of Agriculture, and Walter H. Chase, Secretary of the Northern California Counties Association, have begun a survey of the roads of Shasta, Modoc, Lassen, Siskiyou and Trinity Counties, with the purpose of estimating the cost of constructing an adequate system of highways in these counties.

Commercial routings, types of construction and estimates will be looked into and reports made to the Boards of Supervisors in the various counties by the Federal Government.

It is hoped to have the survey completed and a report ready for submission at the annual meeting of the Northern California Counties Association, which will be held at Yreka, probably in October.

PORTERVILLE. Tulare Co., Cal.—The City Trustees have awarded a contract to the Worswick Construction Co., "I" and San Diego Sts., Fresno, at 7½ cents per square foot for laying a wearing surface on the concrete highway between Porterville and North.

SAN FRANCISCO.—A resolution providing for the paving of the Great Highway fronting the Golden Gate Park is being considered by the Street Committee of the Board of Supervisors. It is planned to take the necessary funds from the Good Roads Fund.

The North Beach Promotion Association has filed a petition with the Supervisors asking the improvement of Columbus avenue. It is requested that funds be provided in the new budget.

NAPA. Napa Co., Cal.—The Supervisors have instructed the County Surveyor to prepare plans and specifications for grading and covering with crushed rock or gravel two sections of the county road located as follows:

Beginning at a point on road from Rutherford to Pope Valley, near the Dining barn and extending to the Glaugue bridge across Sage Creek, said improvement being in Road District No. 2.

Also beginning at a point on the Berryessa road near the Dr. John F. Robinson ranch, and extending over Napa mountain to the road leading through Wooden Valley, said improvement being located in Road Districts Nos. 4 and 5.

Jas. A. Daly is County Clerk.

SAN FRANCISCO.—September 8th is the date set by the Board of Public Works to open bids for the construction of a sewer in Euclid avenue between Parker and Palm avenues.

MARYSVILLE. Yuba Co., Cal.—Plans and specifications have been completed by County Surveyor L. B. Crook for road improvement work in District No. 10, north of Marysville. The work is estimated to cost \$60,000. On approval of the plans bids will be called for.

EL CERRITO. Contra Costa Co., Cal.—The City Trustees are contemplating the construction of storm sewers and have requested Attorney W. J. Locke of the California League of Municipalities to attend the next meeting of the Board to give opinions on constructing the sewers under the district assessment plan.

MARTINEZ. Contra Costa Co., Cal.—Blanchard, Crocker & Howell, 58 2nd street, have been awarded the contract for the construction of Division 14 of the county highway system, a distance of approximately three miles, east of Oakley connecting with Knightsen. The bid was \$83,616.19.

Other bidders were:
Bos & O'Brien \$90,790.41
O'Brien Bros. \$9,395.96

HANFORD. Kings Co., Cal.—The following bids were received by the Hanford City Trustees for the improvement of the east and west ends of Seventh and Irwin streets north of Eighth street:

Contract awarded to Blanchard Crocker & Howell at \$109,303.43.

Blanchard, Crocker & Howell, 58 2nd street, San Francisco, grading, \$0.025; base and top, \$0.19; curb, \$0.50; gutter, \$0.30.

Hugh Crumney, San Francisco, grading, \$0.35; base and top, \$0.255; curb, \$0.80; gutter, \$0.29.

Raisch Improvement Co., San Francisco, grading, \$0.05; base and top, \$0.30; curb, \$0.80; gutter, \$0.40.

Municipal Improvement Company, San Francisco, grading, \$0.035; base and top, \$0.228; curb, \$0.70; gutter, \$0.24.

George W. C. Baker, grading, \$0.04; base and top, \$0.215; curb, \$0.50; gutter, \$0.24.

Thompson Bros., Fresno, grading, \$0.038 per square foot; bituminous base 4 inches thick and 1½-inch wearing surface, per square foot, \$0.218; Class B curb, per square foot, \$0.76; gutter, \$0.24.

Federal Construction Company, San Francisco, grading, \$0.035; base and top, \$0.245; curb, \$0.60; gutter, \$0.30.

A. Teichert & Son, Sacramento, grading, \$0.35; base and top, \$0.219; curb, \$0.65; gutter, \$0.245.

WOODLAND. Yolo Co., Cal.—Lessening the distance from Marysville, Yuba City and other northern cities to San Francisco by over thirty miles, a new State Highway route has been proposed by County Surveyor A. G. Proctor. Yolo County has already taken steps to build a highway from Knights Landing to Woodland. The Yolo Surveyor proposes that Yuba and Sutter Counties connect their roadways by building through to Knights Landing.

Over half of the travel is directed to Sacramento now because of a lack of a Sutter road to Knights Landing. The new route would greatly increase travel through Marysville, Yuba City, Knights Landing and Woodland.

CHICO. Butte Co., Cal.—The City Trustees have decided to have the paving of Fourth street done by private contract. It has been found that the grade of the street differs by several inches from the grade of Main street.

MARTINEZ. Contra Costa Co., Cal.—Bids have been ordered received by the County Supervisors up to September 15th, 11 a. m., for building a macadam base and tile drainage on portion of Division No. 10 of County Highway.

Separate bids will also be received on the same date for the building of two concrete culverts upon Division No. 18 of the County Highway which lies between the town of Alamo and the town of Danville.

Plans and further information may

be had from J. H. Wells, County Clerk; at Martinez.

SACRAMENTO. Cal.—The following award has been made by the Advisory Board of the Department of Engineering on August 20, 1919:

To Prendergast Construction Co., 320 So. St. Andrews Place, Los Angeles, Cal., for the construction of a section of the State highway in Los Angeles County, Division VII-Route 23-Section B, between Santa Clara River and Williams Ranch, about 1.9 miles in length.) Contract price, \$37,999.80.

REDWOOD CITY. San Mateo Co., Cal.—The following bids were received by the City Trustees for the improvement of Maple street, and the contract was awarded to C. B. Cowden, 2078 Green St., San Francisco, at \$4,396.05.

C. J. Lindgren, Burlingame, \$4,586.27
Dreyfus Bros., San Mateo..... 5,562.45
Bos & O'Brien, San Francisco 5,189.03

MERCED. Merced Co., Cal.—The County Supervisors have awarded contracts to the following firms for furnishing an delivering cement for use in the construction of the county highway system:

Pacific Portland Cement Company, 1,150 barrels at \$3.25 per barrel, to be delivered at Dos Palos; Henry Cowell Lime & Cement Company, 2,650 barrels at \$3.31 per barrel to be delivered at Winton, Santa Cruz Portland Cement Company, 2,650 barrels at \$3.31 per barrel, delivered at Atwater.

CENTRALIA. Wash.—The contract for paving in the north end of the city, including D St., Fourth St., Tower Ave. and the roadway from Tower Ave. to the end of the viaduct, has been let by the City Commission to Alfred, James & Hendricks and Aibers & Son for \$33,353.85. The only other bid was that of Jarvis & Ward for \$33,453.80. The engineer's estimate was \$33,489.70.

SANTA CRUZ. Santa Cruz Co., Cal.—The City Council has passed a resolution of intention providing for the widening and improvement of River street and the extension of Pacific avenue.

Plans for the work have been completed by the City Engineer and bids will be called for shortly.

LODI. San Joaquin Co., Cal.—The City Trustees have overruled the protests of property owners and have ordered the improvement of Walnut Street and East Oak Street.

MEXICALI. San Diego Co., Cal.—Henry Clarke Co., 1101 East Fifth St., Los Angeles, has been awarded the contract for the construction of a water works system for the City of Mexicali. The water will be taken from the high-line canal at Seven-Foot Drop. The work will include the construction of pipe lines, settling basins, a 2,500,000 gallon storage tank, etc. The cost is estimated at \$250,000.

SAN DIEGO. Cal.—The City Engineer has completed plans and will submit them to the City Council at once for paying Rosecrans St. from Lytton St. to the Government reserva-

ion at Point Loma. The improve-
ment will be about four miles in
length and will cost about \$89,000.
The Government will continue the
saving within the reservation at a
cost of about \$76,000.

NAPA, Napa Co., Cal.—Bids will be
received up to September 11, 10 a. m.,
by the County Supervisors for fur-
nishing and delivering to Napa County
60,000 barrels, more or less, of
Portland cement, in car load lots, f. o.
b. Napa, Yountville, St. Helena and
way stations, also other points as the
County Board may desire.

Further information may be had
from James A. Daly, County Clerk.

MERCED, Merced Co., Cal.—The
County Supervisors have awarded a
contract to the E. B. & A. L. Stone
Co., Rialto Bldg., San Francisco, for
furnishing for use on the County
Highway system, 2,200 tons of coarse
aggregate delivered at Atwater and
950 tons delivered at Dos Palos, and
to the Riverrock Sand and Gravel Co.,
for 2,200 tons of coarse aggregate de-
livered at Winton.

NAPA, Napa Co., Cal.—The County
Supervisors, James A. Daly, County
Clerk, has instructed the County En-
gineer to prepare plans and estimates
for scarifying the county road from
Union Station west to the bridge
across Napa Creek, and on the Dry
Creek road from its intersection with
Orchard avenue south to the Jefferson
School House.

The Engineer was also ordered to
make a survey of a proposed change
in the road east of Oakville and to es-
timate the cost of building the road,
the right of way to be acquired, and
of the bridge.

NAPA, Napa Co., Cal.—The follow-
ing bids were received by the County
Supervisors for grading the county
highway near Yountville:

P. Montague, 110 Jessie St.,
San Francisco \$7,306
George Errington Napa, 9,083

Contract was awarded to Montague.
Montague was also awarded the
contract for the grading of the county
road near the St. Helena Sanitarium
at \$2,751.80.

James A. Daly is County Clerk.

EUREKA, Humboldt Co., Cal.—The
City Council has adopted an ordinance
providing for the extension of Fifth
street in a westerly direction to cross
the commercial addition to Commer-
cial street. An assessment district,
which will extend as far as I street,
has been formed to finance the work.

EUREKA, Humboldt Co., Cal.—The
County Supervisors have instructed
the County Engineer to prepare plans
for a section of road three-quarters of
a mile in length, which the county
will be required to build in connection
with the new bridge across the Van
Duzen River at Dinsmores.
(29796) E

OAKLAND, Cal.—Bids will be re-
ceived by the City Council, L. W. Cum-
mings, City Clerk, up to 12 M., Sep-
tember 11th, for the improvement of
Jefferson street from First to Seventh
street, by grading, construction of

brick gutters, concrete curbs and the
laying of an asphalt pavement.

Plans may be had from the City
Clerk.

COLUSA, Colusa Co., Cal.—The City
Trustees have awarded a contract to
the Clark & Henery Construction Co.,
Ochsner Bldg., Sacramento, for the
paving of cross streets or laterals
running from Market to Main, the
work including the improvement of
cross streets from the bridge, of east-
ern city limits, to the extreme west-
ern limits of the city, with the paving
of Fourth street extending to Jay St.

Other bidders for the work were:
Chico Construction Co., McGillivray
Construction Co., and A. Teichert &
Sons.

OAKLAND, Cal.—The City Council,
L. W. Cummings, City Clerk, has
awarded contracts for street improve-
ments as follows:

To Hutchinson Co., 444 17th St., Oak-
land, for the improvement of Bromley
avenue from 62nd avenue to Seminary
avenue, by grading, construction of
redwood curbs and concrete gutters
and laying an oil macadam pavement.

To Ransome-Randle Co., 28th and
Poplar Sts., Oakland, for the improve-
ment of the south half of 16th street
from the west line of Adeline to the
east line of Kirkham street, by grad-
ing, construction of concrete curbs
and brick gutters, 14 inches wide, and
paving with an asphalt pavement.

SACRAMENTO, Cal.—The City Com-
missioners, M. J. Desmond, City Clerk,
have adopted plans and passed a res-
olution of intention providing for the
improvement of the alley between Q
and R streets from the east line of
6th street to the west line of 7th
street, by grading, constructing an
asphaltic concrete foundation 4 inches
thick and a bitulithic wearing surface
1½ inches thick, construction of con-
crete catchbasins with C. I. curbs and
covers and connecting same with vit-
rified ironstone sewer pipe.

SAN FRANCISCO.—The Isbell Con-
struction Co., of Fresno, submitted the
lowest bid, at \$42,853, to the Bureau
of Public Roads, U. S. Department of
Agriculture, Room 886 Mills Bldg.,
for the improvement of the National
Forest Road project, located within
or partly within the Sierra National
Forest, Fresno County.

EUREKA, Humboldt Co., Cal.—Bids
will be received by the County Super-
visors up to September 8, 2 p. m., for
graveling, with from one to three
yards to the rod of Eel River gravel,
about three-fourths of a mile of the
Table Bluff road between the Table
Bluff Hotel and the Lighthouse, be-
ginning at John Fitzsimmons' and
running toward David Fitzsimmons'.

The county will furnish a man to
measure and spread the gravel which
is to be hauled and dumped under his
supervision.

Further information may be had
from County Clerk Fred M. Kay.

OAKLAND, Cal.—The City Council
has passed a resolution of intention
providing for the improvement of 26th
avenue from the north line of Foot-
hill Boulevard to the southwest line

of 22nd street by grading, construc-
tion of concrete gutters, 3 feet wide,
paved with an oil macadam, and the
construction of concrete sidewalks,
vitrified pipe conduits, 3 brick storm
water inlets with cast iron tops and
3 brick manholes.

L. W. Cummings is City Clerk.

COLUSA, Colusa Co., Cal.—Bids will
be received by the City Trustees, B.
L. McCue, City Clerk, up to Septem-
ber 8th, 8 p. m., for the improvement
of the following streets and alleys:
Main St. from a line 160 feet west of
Fourth St. to Eighth St.; Fifth St.
from the N line of Main St. to the S
line of the alley running E and W bet
Main and Levee Sts., and from the N
line of said alley running E and W,
to a line parallel with and 20 feet S
of the S line of Levee St.

Sixth St. and Seventh St., each from
the N line of Market St. to the S line
of the alley running E and W bet Mar-
ket and Main Sts., and from the N line
of said alley running E and W, to the
S line of Main St., by grading, con-
struction of concrete curbs and gut-
ters and laying a bitulithic pavement
consisting of a hydraulic concrete
base 4 inches thick and a bitulithic
wearing surface 2 inches thick; also
the improvement of the alley bet Mar-
ket and Main Sts. from the W line of
Sixth St. to the W line of Seventh St.,
by grading and laying a bitulithic
pavement consisting of a hydraulic
concrete base 4 inches thick and a
bitulithic wearing surface 2 inches
thick.

SAN FRANCISCO.—The improve-
ment of Lincoln Way between thirty-
seventh avenue and Portieth avenue
by the construction of artificial stone
sidewalks; awarded to L. J. Gallag-
her.

SACRAMENTO, Cal.—Bids will be
received by the California State High-
way Commission, 515 Forum Bldg.,
Sacramento, until 2 o'clock p. m., Sep-
tember 22, 1919, for the following
highway improvement

Los Angeles County, between two
miles north of Acton and Palmdale
(VII-LA-23-E), about 8.6 miles in
length, to be paved with Portland ce-
ment concrete.

Ventura County, between Russell
Ranch and the former easterly bound-
ary (VII-LA-2-C), about 1.3 miles in
length, to be paved with Portland ce-
ment concrete.

Ventura County, between the South-
erly Boudary and Conejo Grade (VII-
VEN-2-A & B), about 5.2 mile sin
length, to be paved with Portland ce-
ment concrete.

For further information see official
proposal in the Daily Pacific Builder,
or address Austin B. Fletcher, High-
way Engineer, Sacramento.

PETALUMA, Sonoma Co., Cal.—Fire
Chief Adams has recommended to the
City Council that a 10-inch water
main be installed in Main street. The
matter has been referred to the Street
Committee for report.

COLUSA, Colusa Co., Cal.—The City
Trustees have decided to improve the
following streets under the Vrooman
Act: First St. from Oak to Parkhill;
Clay from A to Second; Eleventh from

Market to Oak; Oak from Tenth to Twelfth: The Board will also grade up Parkhill from Sixth to Seventh without the formality of applying the law, as the property owners are asking that it be done.

MARTINEZ, Contra Costa Co., Cal.—Owing to protests filed by J. J. McNamara, the City Trustees have changed the paving specifications recently adopted to read "Warrenite or equivalent." McNamara stated that specifying a certain kind of pavement which carries a patent, was giving too much power to the company owning the patent.

SAN FRANCISCO—The following bids were received by the Board of Public Works for street improvements:

Wayland street between Brussels and Girard:	
Pay Improvement Co.	\$3,750.40
Blanchard, Crocker & Howell	3,739.00
Raisch Improvement Co.	3,384.00
Brussels street between Bacon and Woolsey:	
Pay Improvement Co.	\$12,102.54
Blanchard, Crocker & Howell	11,906.01
Raisch Improvement Co.	11,173.32

SACRAMENTO, Cal.—The following bids were received on August 25th by the State Highway Commission for highway improvement in Lake, Santa Barbara, Ventura and Los Angeles Counties:

Lake County, between the westerly boundary and Lakeport (1-Lak-16-A), about 9.4 miles in length to be graded, Erickson & Petterson, S. F.	\$116,100.90
W. J. Schmidt, Berkeley	123,721.20
F. Rolandi, S. F.	124,916.00
T. M. Olney, Oakland	139,519.60
Jas. P. Holland, S. F.	123,985.60
A. J. Fairbanks, Willits	123,904.60
Engineer's estimate	\$98,140.90

Santa Barbara County, between Divide and Orcutt (V-S.B.-2-A), about 3.6 miles in length to be paved with Portland cement concrete:	
Jas L. Connors, L. A.	\$39,436.50
S. C. McIntire, Stockton	38,116.00
Engineer's estimate	\$42,594.60

Ventura County, between the southerly boundary and Conejo Grade (VII-VEN-2-A & B), about 5.2 miles in length to be paved with Portland cement concrete.

No bids received.

Los Angeles County, between Lan-kershim Boulevard and South Sherman Way, (VII-LA.-2-A), about 5.2 miles in length, to be paved with Portland cement concrete and asphaltic surfacing.

Bryant & Austin, Inc., L. A.	\$48,177.50
Fairchild - Gilmore - Wilton,	
Los Angeles	54,707.00
Los Angeles Paving Co., L. A.	62,690.20
Geo. R. Curtis, L. A.	51,785.00
Engineer's estimate	\$80,676.00

Los Angeles County, between Russell Ranch and the westerly boundary VII-LA.-2-C), about 1.3 miles in length, to be paved with Portland cement concrete.

No bids received.

STOCKTON, San Joaquin Co., Cal.—Only one bid was received by the City Council for the construction of a concrete culvert over Miner avenue at Hunter street. The bid was that of Shepherd & Riley, Stockton, at \$2,762.

It was taken under advisement.

RAILROADS.

SAN FRANCISCO—Bids will be received by the Board of Public Works up to September 8th for the construction of a spur track on Polk street between Geary and Post streets. The work is provided for under contract No. 120 of the Municipal Railway system.

Plans may be had from the City Engineer's office, 3rd floor, City Hall.

FIRE EQUIPMENT.

CHICO, Butte Co., Cal.—The City Trustees have accepted the bid of the American-La France Company, 151 New Montgomery St., San Francisco, for furnishing and delivering a triple combination motor fire truck. The truck will cost \$10,750.

SHIPBUILDING SLACKENS IN SOME OF JAPAN'S YARDS.

Information has been brought from the Orient that shipbuilding in Japan is slowing down considerably in some of the yards. At the Osaka dockyard three thousand men were laid off recently. At a meeting of the directors the president of the company explained that a loss of approximately 3,620,000 yen had been sustained.

The Kawasaki Dock Yord Company, one of the largest shipbuilding concerns in the Orient, is reported as having considerable work on hand. The firm has contracts for three cruisers and two destroyers for the Japanese navy, five steamers for interests in the United States and thirty vessels of from 6800 to 9100 tons.

BUTTE COUNTY IMPROVES ROADS

OROVILLE, Butte Co., Cal.—Butte County expended \$271,000 on its roads and bridges during the last fiscal year, according to the annual report of County Road Engineer M. C. Polk to the Board of Supervisors.

Of this sum \$77,000 was expended for repair and maintenance of old roads and \$73,000 for new roads.

The total receipts of the road fund were \$280,000, of which a balance of \$9,000 remains.

HITTING IT THE FIRST TIME AROUND.

It is reported that since July 1st manufacturers have been making key-holes much smaller.

UNITED STATES CIVIL SERVICE EXAMINATION.

Civil service examinations for light-house service, superintendent of melting shops, superintendent of forge shops, and associate mechanical engineer will be held very soon. Get full information at Post Office, 7th and Mission streets.

Landgren Company, Monadnock Building submitted the lowest bid to the Antioch Trustees, and was awarded the contract for the two-story and basement concrete city hall. The bid was \$46,350. Plans were prepared by Architect Benj. G. McDougall, Sheldon Building.

Architects W. C. Perry and G. B. Sturgeon, Newhall Building, will shortly take figures for a two-story Class "C" municipal city hall and auditorium to be erected for the city of Tulare.

Architect E. L. Norberg, Bankers Investment Building, is preparing plans for extensive alterations to be made on the residence of Mrs. Josephine McCabe in Burlingame.

Architect H. C. Baumann, 251 Kearny street, is preparing plans for five one-story and basement frame bungalows to be erected in Westwood Park. These buildings will be erected in addition to those already undergoing construction under the supervision of Mr. Baumann. The buildings will cost between \$5,000 and \$6,500 each.

Architect Henry H. Meyers, Kohl Building, is preparing plans for an addition to the Washington School in Alameda. The work will cost about \$10,000. Plans will be ready for figures in about two weeks.

There is only one man on record who didn't fail when he refused to keep up with progress—He died the day before he failed.

Architect Joseph Cahen, 333 Kearny street, will shortly take figures for extensive alterations to be made on a store building for Reich & Lieve on Santa Clara avenue in San Jose. The work will cost about \$25,000.

The Simmons Company, 198 Bay Street, has awarded a contract to Frank B. Peake, 1247 42nd avenue, for the erection of a three-story brick and mill construction factory to be erected at the northwest corner of Bay and Stockton streets. The building will cover a ground area of 136 by 275 feet, and will cost \$100,000.

Architect Carl Werner, Phelan Building, has completed plans and segregated figures are being taken for the first unit of a two-story reinforced concrete hospital building to be erected in the Fruitvale Hills, Alameda County, for the California Memorial Hospital Company, 447 Monadnock Building. Plans may be had from Mr. Hobson at the office of the owners.

Bids for the excavation, granite, concrete, terra cotta and rough carpentry work for the State Building to be erected in the San Francisco Civic Center, will be opened at Sacramento on September 22nd. Bids for the fabrication, delivery and erection of the steel will be opened on the same date, the time having been extended from September 5th. Plans for the building were prepared by Architects Bliss & Faville, Balboa Building.

CONTRACTS AWARDED

Liens, Acceptances, Etc.

BUILDING CONTRACTS.

San Francisco County

The following is an index for the contracts for this issue:

No.	Owner	Contractor	Amt.
1782	Hirsh	Owner	2000
2783	City Inv.	Grace	1500
1784	Zonie	Owner	445
1785	Hansen	Hansen	5000
1786	Dorn	Pasqualetti	7500
1787	Battaini	Ghiotto	1900
1788	Cal. Brewing	Barrett	2190
1789	Bjors	Owner	3000
1790	Hudson	Duval	1500
1791	Klein	Swenson	480
1792	Owl Drug	Fink	1000
1793	McPhedion	Douglas	400
1794	Whittell	Owner	400
1795	Friedlander	Owner	850
1796	Kelly	Ingraham	1300
1797	Liebold	Fink	450
1798	Marx	Deibel	7600
1799	Nelson	Nelson	13000
1800	Curtaz	Helbing	35000
1801	Rousseau	Owner	12500
1802	Mission Ter.	Lewis	2950
1803	Mission Ter.	Lewis	3900
1804	Bassett	Olsen	1500
1805	Jonsnon	Moller	900
1806	Henno	Olsen	950
1807	Foley	Owner	500
1808	Furlong	McDonald	400
1809	Paynes	Healy	19217
1810	Cancilla	Monson	5000
1811	Crocker Est.	Samuelson	3000
1812	Beverson	Owner	450
1813	Orland	Sullivan	400
1814	Manning	Deibel	950
1815	Price	Glaser	1350
1816	Fleet Recp.	Wilson	2500
1817	Anderson	Owner	45000
1818	Helbush	Owner	50000
1819	DePue	Kales	15500
1820	Botts	Lynch	5884
1821	Sale	Leigh	5000
1822	Bernheim	Owner	1000
1823	Parsons	Farquharson	1500
1824	Luttinger	Owner	600
1825	Hurley	Fennell	1000
1826	Whittell	Robinson	900
1827	Rigney	Owner	12000
1828	Saniter	Barrett	500
1829	Tillford	Pearson	400
1830	S. F. Rity	Heaphy	900
1831	R. C. Archb.	Standard	1376
1832	R. C. Archb.	Leonard	6950
1833	Pac. Flt Recp.	Vovinkel	750
1834	Same	Same	1170
1835	Same	Same	500
1836	Same	Same	1250
1837	Same	Same	840
1838	Same	Same	200
1839	Same	Same	2000
1840	Hamburger	Fontanello	475
1841	Bielenberg	Owner	400
1842	Deihl	Field	400
1843	Klenk	Owner	400
1844	Hanfy	Kronick	19750
1845	Hanfy	Coleman	2760
1846	Blair	Grell	8300
1847	Balfour	Dillon	3600

(1782) NO. 330 ARGUELLO BLVD.
Add two rooms and bath to residence.

Owner—M. Hirsh, care architect.
Architect—Edw. E. Young, 251 Kearny, San Francisco.
Day's work. COST, \$2000

ALTERATION
(1783) NO. 733 MARKET. Alter show window and entrance.
Owner—City Investment Co., 1st National Bank Bldg., San Francisco.
Architect—None.
Contractor—Grace & Bernieri, Claus Spreckels Bldg., San Francisco.
COST, \$1500

(1784) NO. 131 GRANADA. Change front, concrete sidewalk, steps, floor.
Owner—J. Zonie, Premises.
Architect—None.
Day's work. COST, \$445

(1785) W RITCH 183-4 N Townsend. One-story brick and frame shop.
Owner—C. W. Hansen, 260 Townsend, San Francisco.
Architect—C. O. Clausen, Hearst Bldg., San Francisco.
Contractor—H. E. Hansen, 423 30th Ave., San Francisco.
COST, \$5000

ALTERATION
(1786) SE CLAY and Davis. Alter warehouse.
Owner—N. A. Dorn, Phelan Bldg., San Francisco.
Architect—None.
Contractor—J. Pasqualetti, 785 Market, San Francisco.
COST, \$7500

DWELLING
(1787) E DELANO 200 S Santa Ynez. One-story and basement frame dwelling.
Owner—L. Battaini, 231 Delano.
Architect—None.
Contractor—Bert Ghiotto, 231 Delano, San Francisco.
COST, \$1900

ADDITION
(1788) SE FULTON and WEBSTER. Excavation, concrete, steel, carpenter work, etc., for a reinforced concrete building addition to boiler house.
Owner—The California Brewing Association, Premises.
Engineer—Jas. T. Ludlow, 604 Mission, San Francisco.
Contractor—Barrett & Hilp, Sharon Bldg., San Francisco.
Filed Aug. 25, '19. Dated Aug. 19, '19.
On 1st of each month N.....75%
Usual 35 days25%
TOTAL COST, \$2190
Bond, Sureties, none. Forfeit, \$10.
Limit, 30 days. Plans and specifications filed.

DWELLING
(1789) N EIGHTEENTH 225 W Sanchez. Two-story and basement frame dwelling.
Owner—Victor Bjors, 3573 19th, San

Francisco.
Architect—None.
Day's work. COST, \$3000

ALTERATION
(1790) NO. 222 POWELL. Alter store front.
Owner—Hudson Bay Fur Co., Prem.
Architect—A. R. Denke, 1087 Market, San Francisco.
Contractor—Duval & Son, Dalziel Bldg., Oakland.
COST, \$1500

ALTERATION
(1791) NO. 535 GRANT AVE. Alter store.
Owner—Philip Klein, 39 Grant Ave., San Francisco.
Architect—None.
Contractor—Swenson & Franzen, 145 Natoma, San Francisco.
COST, \$480

ALTERATION
(1792) NO. 121 SECOND. Erect partition, rearrange plumbing.
Owner—Owl Drug Co., 611 Mission, San Francisco.
Architect—None.
Contractor—Fink & Schindler Co., 228 13th, San Francisco.
COST, \$1000

ALTERATION
(1793) S SADOWA 450 E Capital. Raise and alter cottage.
Owner—Mrs. E. M. McPhedron, 183 Sagamore, San Francisco.
Architect—None.
Contractor—Andrew Douglass.
COST, \$400

ALTERATION
(1794) NO. 216 STOCKTON. Alter in drug store.
Owner—Whittell Realty Co., 166 Geary St., San Francisco.
Architect—None.
Day's work. COST, \$400

ALTERATION
(1795) NO. 446 SIXTH. Remove wood and place concrete floor.
Owner—H. J. Friedlander, Pine and Battery, San Francisco.
Architect—None.
Day's labor. COST, \$850

ALTERATION
(1796) NW DAY AND SAN JOSE. Alter for one-story frame dwelling.
Owner—E. N. Kelly, Premises.
Architect—M. J. Welsh, 905 Treat Av., San Francisco.
Contractor—M. C. Ingraham, 450 Du-noce Ave., San Francisco.
COST, \$1300

RAISE
(1797) NO. 1070 MISSION. Raise factory reinforcement with steel frame.
Owner—Liebold Candy Co., Premises.
Architect—None.
Contractor—Fink & Schindler Co., 226 13th, San Francisco.
COST, \$4500

STORE BLDG,
(1798) S STEVENSON 50 W 12th, W
75-11x S 50. All work for a one-
story brick store building.
Owner—M. L. Marx, 1366 Mission St.,
San Francisco.

Architect—Jos. L. Stewart, Claus
Spreckels Bldg., San Francisco.
Contractor—Louis J. Deibel, 2453
Buchanan, San Francisco.
Filed Aug. 26, '19. Dated Aug. 25, '19.
Brick work finished\$1900
Plastering finished 1900
Completed and accepted 1900
Usual 35 days 1900

TOTAL COST, \$7600

Bond, \$3800. Sureties, Harold W. Law
and T. P. Curran. Forfeit, none. Lim-
it, shortest possible time. Plans and
specifications filed.

BUNGALOWS

(1799) LOTS 3 AND 5, BLK 3165,
Westwood Park. All work for two
one-story frame bungalows.
Owner—Hans Nelson, 30 Northwood
Drive, San Francisco.

Architect—None.
Contractor—Nelson Bros., 30 North-
wood Drive, San Francisco.
Filed Aug. 26, '19. Dated July 31, '19.
Frame up, enclosed & roof on..\$3250
Brown coated 3250
Completed and accepted 3250
Usual 35 days 3250

TOTAL COST, \$13,000

Bond, \$6500. Sureties, Chas. Monson
& Edwin T. Peterson. Forfeit, none.
Limit, 90 days. Plans and specifica-
tions filed.

SHOP

(1800) NE GOLDEN GATE & Gough.
Two-story concrete shop, 55x120.
Owner—O. H. Curtaz, 521 Hayes, San
Francisco.
Architect—None.
Superintendent—Wm. Helbing, 521
Hayes, San Francisco.
COST, \$35,000

SHOP

(1801) S FELL 165 E Franklin. One-
story Class C workshop, 27x120.
Owner—Arthur F. Rousseau, 110 Sutter,
San Francisco.
Architect—Rousseau & Rousseau, 110
Sutter, San Francisco.
Day's work. COST, \$12,500

DWELLING

(1802) SE SANTA YNEZ and Otsego.
One-story and basement frame
dwelling.
Owner—Mission Terrace Co., 318
Kearny, San Francisco.
Architect—H. C. Baumann, 251 Kear-
ny, San Francisco.
Contractor—H. C. Lewis, 68 Post St.,
San Francisco.
COST, \$2950

DWELLINGS

(1803) E OTSEGO 32 and 70 S Santa
Ynez. Two one-story and basement
frame dwellings.
Owner—Mission Terrace Co., 318
Kearny, San Francisco.
Architect—H. C. Baumann, 251 Kear-
ny, San Francisco.
Contractor—H. C. Lewis, 68 Post St.,
San Francisco.
COST (each) \$2950

SHOP

(1804) NO. 1790 OCEAN AVE. One-
story concrete auto repair shop,

BUILDING AND ENGINEERING NEWS

Owner—W. M. Bassett, 1790 Ocean
Ave., San Francisco.
Architect—None.
Contractor—Olaf Olsen, 1214 Stanyan,
San Francisco.
COST, \$1,500

ALTERATION

(1805) NW MISSION and 6th. Alter
for store.
Owner—W. C. Johnson, 92 6th, San
Francisco.
Architect—None.
Contractor—Moller & Sons, 520 Jes-
sie, San Francisco.
COST, \$900

REPAIRS

(1806) NO. 4 BRUCE. Repairs to
dwelling.
Owner—L. Henno, Premises.
Architect—None.
Contractor—Olaf Olsen, 1214 Stanyan,
San Francisco.
COST, \$950

FOUNDATION

(1807) E CLIPPER 320 — Noe. Un-
derpin; concrete foundation.
Owner—Dennis Foley, 1272 Dolores,
San Francisco.
Architect—None.
Day's work. COST, \$300

FLOOR

(1808) NO. 815 Irving. New floor in
store.
Owner—B. Furlong, 1307 9th Ave.,
San Francisco.
Architect—None.
Contractor—B. McDonald, 1246 Gth
Ave., San Francisco.
COST, \$400

BUILDING

(1809) SE HOWARD 45-10 NE Main
SE 137-6xSW 45-10. All work of
removal of buildings, sheds, fences,
cleaning brick, excavating, bulk-
heading, pumping, pile driving, etc.
for foundation for a Class C Bldg.
Owner—Paynes Bolt Works, 133 How-
ard, San Francisco.
Architect—Nathaniel Blaisdell, 255
California St., San Francisco.
Contractor—Healy-Tibbitts Construc-
tion Co., 9 Main St., S. F.
Filed Aug. 27, '19. Dated Aug. 11, '19.
Underside of basement floor
and streets are bulkheaded..\$6000
All piles are driven 7250
Completed and accepted 1162
Usual 35 days 4805

TOTAL COST, \$19,217

Bond, \$9609. Sureties, K. E. Parker
and Paul B. Fay. Forfeit, \$20. Limit,
60 days. Plans and specifications filed.

BUILDING

(1810) S FILBERT 82-6 E Jones E
40xS 137-6 All work for one-story
frame store building, removal of
present building.
Owner—Vincent and Rosa Cancelli,
971 Filbert, San Francisco.
Architect—W. Jones Cuthbertson,
2265 Market, San Francisco.
Contractor—F. Monson, 180 Jessie St.,
San Francisco.
Filed Aug. 27, '19. Dated Aug. 27, '19.
Frame up, bulkheading, grad-
ing done and moved building
in place\$1250
Rough plumbing in, building
enclosed and 1st coat plas-
ter on 1250
Completed 1250
Usual 35 days 1250

TOTAL COST, \$5000

Bond, \$2500. Sureties, O. and Chas
Monson. Forfeit, \$5.00. Limit, 90
days. Plans and specifications filed

DWELLING

(1811) E NAPLES 150 N Geneva
One-story and basement frame
dwelling, 25x44.
Owner—Crocker Est. Co., Crocker
Bldg., San Francisco.
Architect—None.
Contractor—A. M. Samuelson, 290
Rolph, San Francisco.
COST, \$3000

DWELLING

(1812) E PLYMOUTH 125 S Lake-
view. Two-story frame dwelling,
10x18.
Owner—Martin Beverson, 806 Ply-
mouth Ave., San Francisco.
Architect—None.
Day's work. COST, \$450

MOVE AND ALTER

(1813) S JEFFERSON 137-6 W Jones
Move and alter shops.
Owner—Antonio Orlando, 823 Lom-
bard, San Francisco.
Architect—None.
Contractor—D. J. & T. Sullivan, 1940
Folsom, San Francisco.
COST, \$400

ALTERATIONS

(1814) NO. 1621 TURK. Alter two
flats, electric work, plumbing and
painting.
Owner—Mr. Manning, Premises.
Architect—None.
Contractor—L. J. Deibel, 2453 Bu-
chanan, San Francisco.
COST, \$950

OVEN

(1815) NO. 623 CLEMENT. Install
brick bake oven.
Owner—A. B. Price, 41 Stockton St.,
San Francisco.
Architect—None.
Contractor—J. P. Glaser, 110 Jessie
St., San Francisco.
COST, \$1050

(1816) LOCATION —. Allwork to
produce fireworks, designs, for same
and remove debris after displays be-
tween Sept. 1, 1919 and September
10, 1919.

Owner—Pacific Fleet and President's
Reception and War Women's Day
Committee.

Architect—None.
Contractor—W. H. Wilson, Prop. Wil-
son's Fireworks Co.
Filed Aug. 28, '19. Dated Aug. 22, '19.
When agreement has been ful-
filled\$2500

TOTAL COST, \$2500

Bond, Sureties, Forfeit, none. Limit,
between Sept. 1 and Sept. 10, 1919.
Specifications only filed.

APARTMENTS

(1817) W COMMONWEALTH 100 N
Garry. Three-story and basement
frame (6) apartments, 40x99½.
Owner—O. E. Anderson, 40 Atalaya
Terrace, San Francisco.
Architect—A. H. Knoll, Hearst Bldg.,
San Francisco.
Day's work. COST, \$45,000

APARTMENTS

(1818) NE EMMA and Stockton. Five
story and basement brick (16)
apartments, 40x110.
Owner—H. H. Helbush, 75 Sutter St.,
San Francisco.

Architect—Edw. E. Young, 251 Kearny St., San Francisco.
Day's work. COST, \$50,000

SHOP

(1819) S GEARY 53-9 E Polk. One-story brick shop, 58-9x120.
Owner—The De Pue Estate, Merchants Exchange Bldg., S. F.
Architect—Fred. H. Meyer, Bankers Investment Bldg., San Francisco.
Contractor—Frank Kales, Monadnock Bldg., San Francisco.
COST, \$15,500

ALTERATIONS

(1820) NE CALIFORNIA and Front.
Remove concrete vault, new oak vestibule, change pine to oak trim.
Owner—J. M. Botts, 149 California St., San Francisco.
Architect—C. W. McCall, Central Bk. Bldg., Oakland.
Contractor—P. J. Lynch, 180 Jessie, San Francisco.
COST, \$5,384

DWELLING

(1821) N CALIFORNIA 95 W 24th Ave. Two-story and basement frame dwelling.
Owner—W. H. Sale, 25th and Clement, San Francisco.
Architect—None.
Contractor—David Leigh, 840 44th Ave., San Francisco.
COST, \$5,000

ALTERATION

(1822) SE PINE and Webster. Alter for apartment lobby.
Owner—H. W. Bernheim, 1860 Webster.
Architect—A. H. Knoll, Hearst Bldg., San Francisco.
Day's work. COST, \$1,000

ALTERATION

(1823) NO. 3560 WASHINGTON ST.
Alter for dwelling, concrete sidewalk and steps.
Owner—A. E. Parsons, Premises.
Architect—None.
Contractor—D. B. Farquharson, 1760 Ellis St., San Francisco.
COST, \$1,500

ALTERATION

(1824) SW HARRINGTON and Mission. Alter store front.
Owner—Mrs. Chas. Luttinger, 4552 Mission, San Francisco.
Architect—None.
Day's work. COST, \$600

ALTERATION

(1825) NO. 124 POST ST.. Tile floor in store, plumbing work.
Owner—Hurley Machinery Co., Prem.
Architect—None.
Contractor—Pennell & Chisholm, 180 Jessie, San Francisco.
COST, \$1,000

ALTERATION

(1826) NO. 216 STOCKTON. Alter for store.
Owner—Whittell Estate, Premises.
Architect—None.
Contractor—Robinson & Gillespie, 1051 Sutter, San Francisco.
COST, \$900

ALTERATION

(1827) SE CLAY and Spruce. Alter apartments.

Owner—Miss Hannah Rigney, Beaumont Apts., Sacramento and Jones, San Francisco.
Architect—W. G. Hind and J. A. Magee, 661 Phelan Bldg., S. F.
Day's work. COST, \$12,000

ADDITION

(1828) 2037 SCOTT. Add sleeping porch.
Owner—F. L. Saniter, Premises.
Architect—S. L. Hyman, Crocker Bldg., San Francisco.
Contractor—Barrett & Hilp, Sharon Bldg., San Francisco.
COST, \$500

ALTERATION

(1829) NO. 342 PARK ST. Raise and alter cottage.
Owner—Mrs. E. Tillford, Premises.
Architect—None.
Contractor—E. K. Pearson, 2372 Bryant St., San Francisco.
COST, \$400

ALTERATION

(1830) NO. 240 MONTGOMERY ST.
Alter for offices.
Owner—San Francisco Realty Co., Premises.
Architect—None.
Contractor—J. J. Heaphy, 51 Trinity, San Francisco.
COST, \$900

ELECTRICAL WORK

(1831) E FOURTEENTH AVE. 90 S Irving. Electrical work for Saint Annes School Building.
Owner—The Roman Catholic Archbishop of San Francisco, 1100 Franklin St., San Francisco.
Architect—W. D. Shea and H. A. Minton, 244 Kearny, San Francisco.
Contractor—The Standard Electrical Construction Co.
Filed Aug. 29, '19. Dated Aug. 27, '19.
First of each month 75%
Usual 35 days 25%
TOTAL COST, \$1376

Bond, \$688. Sureties, Allan St. J. Bowie and H. B. Debrick, Forfeit, none. Limit, Jan. 15, 1920. Plans and specifications filed.

(1832) LATHING, PLASTERING, interior and exterior cement work on above.
Contractor—J. J. Leonard, 1158 Dolores, San Francisco.
Filed Aug. 29, '19. Dated Aug. 27, '19.
Payments same as above.

TOTAL COST, \$6950
Bond, \$3475. Sureties, Chas. J. Powers and N. J. Sullivan. Forfeit, none. Limit, Jan. 15, 1920. Plans and specifications filed.

DECORATIONS

(1833) GROVE AND MARKET to Larkin to McAllister to Van Ness to Post. Decorations, flags and pendants.

Owner—Pacific Fleet and President's Reception and War Women's Day Committee.

Architect—None.
Contractor—Henry Vowinkle, 348-50 Hayes St., San Francisco.

Filed Aug. 29, '19. Date Aug. 26, '19.
Completed \$600
5 days 150

TOTAL COST, \$750
Bond, Sureties, Forfeit, none Limit, August 31. No plans or specifications filed.

(1834) ALONG GROVE AND POLK. 36 standards of decorations.
Owner—Same as above.
Contractor—Same as above.
Filed Aug. 29, '19. Dated Aug. 23, '19.
Completed \$877.50
5 days 292.50

TOTAL COST, \$1170
Bond, Sureties, Forfeit, none Limit, August 31. No plans or specifications filed.

(1835) WHARF DECORATIONS.

Owner—Same as above.
Contractor—Same as above.
Filed Aug. 29, '19. Dated Aug. 23, '19.
Completed \$375
5 days after removal 125

TOTAL COST, \$500
Bond, Sureties, Forfeit, none Limit, August 31. No plans or specifications filed.

(1836) ALONG MARKET from Embarcadero to 9th. Spans, flower baskets, flags for additional minor courts of honor.

Owner—Same as above.
Contractor—Same as above.
Filed Aug. 29, '19. Dated Aug. 23, '19.
Completed \$937.50
5 days after removal 312.50

TOTAL COST, \$1250
Bond, Sureties, Forfeit, none Limit, August 31. No plans or specifications filed.

(1837) CARPENTER WORK, scenic work, flags flowers, etc., furnishing wagons, horses and drivers for 3 floats at —.

Owner—Same as above.
Contractor—Same as above.
Filed Aug. 29, '19. Dated Aug. 23, '19.
Complete and accepted \$630
5 days after parade is over 210

TOTAL COST, \$840
Bond, Sureties, Forfeit, none Limit, August 31. No plans or specifications filed.

(1838) BOTH SIDES MARKET between 8th and 9th. Additional decorations.

Owner—Same as above.
Contractor—Same as above.
Filed Aug. 29, '19. Dated Aug. 23, '19.
Completed \$150
5 days after removal of work from trolley poles 50

TOTAL COST, \$200
Bond, Sureties, Forfeit, none Limit, August 31. No plans or specifications filed.

(1839) POWELL TO SUTTER to Kearny to Bush, back to Market to Powell. 174 path of gold standards.

Owner—Same as above.
Contractor—Same as above.
Filed Aug. 29, '19. Dated Aug. 23, '19.
Completed \$1500
5 days after removal of same 500

TOTAL COST, \$2000
Bond, Sureties, Forfeit, none Limit, August 31. No plans or specifications filed.

ALTERATION

(1840) NO. 648 KEARNY. Alter front.

Owner—S. Hamburger, 1188 Ellis St., San Francisco.

Architect—None.
Contractor—L. Fontanello, 1920 Pine St., San Francisco.

COST, \$475

RAISE

(1841) NO. 4 PARK. Raise and add basement for dwelling.
Owner—Peter Bielenberg.
Architect—None.
Day's work. COST, \$400

ALTERATION

(1842) NO. 422 Frederick. Alter for private garage.
Owner—Mrs. Deihl, Premises.
Architect—None.
Contractor—A. O. Field, 1465 20th Av., San Francisco.
COST, \$400

ALTERATION

(1843) NO. 137 ALMA St. Alter for private garage.
Owner—F. J. Klenk, Premises.
Architect—None.
Day's work. COST, \$400

RESIDENCE

(1844) N GREEN 103-1-12 W Devisadero W 34-4½ x N 137-6. All work except plumbing for a two-story and basement frame residence.
Owner—Al. Hanify, 24 Market, San Francisco.
Architect—Ward & Blohme, Alaska Commercial Bldg., San Francisco.
Contractor—Kronnick Bros., 1659 O'Farrell St., San Francisco.

Filed Aug. 30, '19. Dated Aug. 28, '19.
Ready for lathing \$4000
Standing finish on 4000
Completed and accepted 3816
36 days 25%
TOTAL COST, \$19,755
Bond, \$9877.50. Sureties, National Surety Co. Forfeit, \$10. Limit, 130 days. Plans and specifications filed.

(1845) PLUMBING WORK ON Above Contractor—Alexander Coleman, 706 Ellis, San Francisco.

Filed Aug. 30, '19. Dated Aug. 28, '19.
Roughing in completed and sewers laid \$1070
Completed and accepted 1000
36 days after 690
TOTAL COST, \$2760

Bond, Sureties, Forfeit, none. Limit, as soon as possible. Plans and specification filed.

BUNGALOW

(1846) LOT 4, BLK. 3133 Westwood Park. All work for a one-story frame bungalow and garage.
Owner—W. D. Blair, 1358 Plymouth, San Francisco.

Architect—Ida F. McCain, 318 Kearny St., San Francisco.
Contractor—Phillip Grell, 90 Haight, San Francisco.

Filed Aug. 30, '19. Dated Aug. 9, '19.
Enclosed and roof on \$2075
Completed 2075
Completed and accepted 2075
Usual 35 days 2075
TOTAL COST, \$8300

Bond, \$4150. Sureties, Jacob Neiler and E. Gustave Schultz. Forfeit, none. Limit, 90 days. Plans and specifications filed.

EXCAVATING

(1847) SE CALIFORNIA and San-Some S 89x E 169-9½. Excavating, shoring, pumping, etc. for a 12-story and basement Class "A" Bldg.
Owner—The Balfour-Guthrie Investment Co., by P. J. Walker Co., Agent, Monadnock Bldg., S. F.
Architect—Geo. W. Kelham, Sharon

Bldg., San Francisco.
Contractor—Maurice Dillon, 694 19th Ave., San Francisco.
Filed Aug. 30, '19. Dated Aug. 28, '19.
Semi-monthly payments of 75%
Usual 35 days 25%
TOTAL COST, \$3600
Bond, \$1800. Sureties, American Indemnity Co. Forfeit, none. Limit, 21 days. Plans and specifications filed.

COMPLETION NOTICES.

San Francisco County

Recorded Accepted
Aug. 16, 1919—S BUSH 112-6 E Hyde E 25x137-6. Joseph Michael and W. A. Pfeffer as Michael & Pfeffer Iron Works. vs. D. J. Clancy \$566.05
Aug. 23, 1919—E POWELL between Precita Ave and Virginia Ave. 25 Powell Ave. J. L. Ash & Co. vs. L. F. Haubold and Mrs. A. A. Byrnes \$66.35
Aug. 25, 1919—LOT 23, BLK 314 Westwood Park. Luana I. Pallette to Olaf Olsen Aug. 23, 1919
Aug. 25, 1919—SV FIFTH and Stevenson, SW 125 SE 75 NE 50 NW 50 NE 75 NW 25. Wal Wilson to Palmer & Peterson Aug. 4, 1919
Aug. 26, 1919—SW GREENWICH and Mason W 68-3xS 60. Mary Marsicano to G. B. Pasqualetti Aug. 26, 1919
Aug. 26, 1919—E PARIS 125 N Geneva Ave. N 25x E 100.337 lot 10. Blk 7. Crocker Amazon Tract. Albert Warnock to whom it may concern Aug. 22, 1919
Aug. 27, 1919—NW GOLDEN GATE and Jones W 137-6xN 137-6. Pope Estate Co. to J. Pasqualetti Aug. 25, 1919
Aug. 27, 1919—LOT 27, BLK 3163 Westwood Park. Katherine C. Kingwell to Jno. J. Kingwell Aug. 19, 1919
Aug. 27, 1919—S CALIFORNIA 49 E Powell E 68-6, S 137-6, W 72-6, N 13-6, E 5, N 24, W 1 N 100. J. W. S. Johnson to Barrett & Hilp Aug. 17, 1919
Aug. 28, 1919—LOT 5, BLK 20, St. Francis Wood, Ext. No. 2. St. Francis Home Bldg. Co. to Jno. Morton Aug. 28, 1919
Aug. 28, 1919—LOTS 26 and 27, BLK 11. Crocker Amazon Tract on N Ralph 175 & 200 W Naples. Lorenzo Ferreiros & Louis Depoli to whom it may concern Aug. 28, 1919
Aug. 28, 1919—NE FOURTH and Mission, No. 85 4th St. Federal Elevator & Machine Co. vs. Mrs. N. V. Doran and Vrooman Co. \$990
Aug. 29, 1919—N BROADWAY 145 Steiner, W 28xN 137-6. Robert C. Bolton to Moore & Watson Aug. 20, 1919
Aug. 29, 1919—N BROADWAY 145 W Steiner, W 28xN 137-6. Robert C. Bolton to James H. Pinkerton Aug. 29, 1919
Aug. 29, 1919—LOT 22 BLK 3163, Westwood Park. Hilding Anderson to Anderson & Johnson Aug. 29, 1919

RELEASE OF BUILDING CONTRACT

San Francisco County.

Aug. 26, 1919—S FILBERT 82-6E Jones, E 40xS 137-6. Vincent and Rose or Rosa Cancilla to F. Monson.

LEASE.

San Francisco County.

Aug. 26, 1919—SE O'FARRELL and Jones No. 397 O'Farrell. Emily V. Flood to Angelo Zinis; 3 years, \$3600.
Aug. 28, 1919—NE GRANT AVE. and Ashburton Place. Phoenix Realty Co. to Victor L. Podesta, Marcio A. Baldocchi as Podesta & Baldocchi; 13 years 9 months, \$115,500.
Aug. 29, 1919—PT. OF LOWER floor of Hewes Bldg. Market and 6th Sts. David Hewes Realty Co. to Lesser Summerfield, A. Haines and H. Haines as Summerfield & Haines; 3 years; \$49,200.
Aug. 29, 1919—NO. 26 PALM AVE. A. M. and Jennie Rude to John O. Weinstrom; 2 years; \$780.
Aug. 30, 1919—SW GREEN and Battery W 137-6xS 93-9. Battery and Green Realty Co. to Frank T. Bowers; 10 years; \$781.25.
Aug. 30, 1919—NO. 34-38 FREMONT. Henry E. Bothin to O'Rourke-Eubanks Hat Co.; 10 years, \$400 month.
Aug. 30, 1919—S CALIFORNIA 49 E Powell E 68-9, S 137-6, W 72-6, N 13-6 E 5, N 24, W 1 N 100. J. M. S. Johnson to J. Olive Smith; 10 years, \$72,000.

Architect Henry H. Gutterson, 278 Post Street, has completed plans and is taking figures for the construction of three two-story frame residences to contain six, eight and nine rooms each, and a one-story five-room frame residence. They will be erected in St. Francis Wood and will cost from \$6,000 to \$9,000 each.

Architect D. J. Patterson, 64 Kearny street, has awarded a contract to Iudley & Wiseman of San Mateo for repairs to the burned portion of Mrs. Tobin's residence in Hillsborough. Contract price, \$20,000.

Architect H. C. Baumann, 251 Kearny street, has awarded a contract to Robert Black, 40 Woodland avenue, for the construction of his two one-story and basement frame bungalows, which are to be erected on the east side of Westwood, 45 and 85 feet south of Wildwood, in Westwood Park. Estimated cost, \$5,000 each.

Architect M. I. Schwartz has returned from service in France, where he spent two years and eight months, and opened offices at 1202 Nevada Bank Bldg. Tel. Douglas 2022. Mr. Schwartz would like to receive catalogs of all kinds by mail.

Architect Wm. Knoles, Hearst Building, has let the following sub-contracts in connection with the four-story Class C office building to be erected in Oakland for the East Bay Water Company, the total cost of which is estimated at \$130,000:

Electric wiring awarded to Newberry Electric Co.; plumbing to Fred'k W. Snook Co.; elevators to Otis Elevator Co.; steel bars to Edw. L. Soule; millwork to Pacific Mfg. Co.; terra cotta to N. Clark & Sons, all of San Francisco, and for the lumber to Sunset Lumber Company of Oakland. Figures for the brick work and painting are now being taken.

BUILDING CONTRACTS.

Alameda County |

The following is an index for the contracts for this issue:

No.	Owner	Contractor	Amt.
1860	Glantz	Owner	3200
1861	Fell	Owner	3600
1862	Goranson	Owner	2850
1863	Keeler	Vaughn	11000
1864	Long	Sheridan	3200
1865	Klingensmith	Owner	400
1866	Reed	Owner	10000
1867	Kewell	Cords	10000
1868	O. A. & E. Ry.	Owner	3750
1869	Prussia	Peppin	3168
1870	Bushby	Owner	2500
1871	Tiers	Owner	2000
1872	Armstrong	Littlefield	7700
1873	Williams	Livingston	400
1874	Winters	Owner	750
1875	Oliver	Pedgrift	500
1876	Lyle	Damgaard	1000
1877	Larsen	Owner	500
1878	Leach	Rose	400
1879	P. G. & E.	Hopper	546
1880	Firen	Stenbro	1000
1881	Short	Owner	2000
1882	Wright	Leithman	2500
1883	Dahl	Olsen	3500
1884	Premier	Knight	4900
1885	Hermes	Esnberger	500
1886	Chryst	Pearson	1500
1887	Welch	Allen	3500
1888	Pacey	Irish	1025
1889	Hearsch	Irish	450
1890	MacDonald	Randlett	400
1891	Lee	Littlefield	3500
1892	Ala Pk. Co.	Spence	400
1893	Mauley	Snell	995
1895	Associated Oil	Owner	4000
1896	Pfrang	Owner	3500
1897	Dean	Owner	2400
1898	Hinman	Nelson	16000
1899	Marquis	Owner	2000
1900	Prieto	Dies	1500
1901	Mastretti	Brigham	800
1902	Porter	MacGregor	930
1903	Mitchell	Strong	400
1904	Swedish	Gustafson	400
1905	Pa. Coast Can'g	Owner	850
1906	Mitchell	Thornall	5700
1907	Koike	Mitaln	1000
1908	Mortinsen	Strang	2500
1909	Hampton	Knight	1400
1910	Woodburn	Owner	3000
1911	Price	Owner	508
1912	Hadden	Rich	400
1913	Keeler	Vaughn	850
1914	Dethlefsen	Okd Conc.	500

(Correction—Owner's name omitted.)

DWELLING
(1816) N BONA 425 W Peralta Ave., Oakland. One-story 6-room dwelling.

Owner—Geo. B. Davis, 2833 Hyde St., San Francisco.

Architect—None.

Day's work. COST, \$3750

(Correction—Owner's name omitted.)

ADDITION
(1823) MILLS COLLEGE. Add and hot house, Oakland.

Owner—Mills College.

Architect—None.

Day's work. COST, \$900

(Correction—Owner's name omitted.)

ALTERATION

(1840) SIXTEENTH & SAN PABLO, Oakland. Alteration.

Owner—The Enquirer.

Architect—None.

Contractor, J. F. Shrader, 520 16th St., Oakland.

COST, \$400

DWELLING
(1860) OAK GROVE AVE. "The Oaks," Piedmont. One and one-half story frame dwelling and garage.

Owner—C. W. Glantz, 2640 Harriet, Oakland.

Architect—Owner.

Day's work. COST, \$3200

(Correction—Owner's name omitted)

DWELLING

(1861) RAULEIGH WAY, Lake View Park, Piedmont. One and one-half story dwelling.

Owner—Louis Fell.

Architect—None.

Day's work. COST, \$3600

DWELLING

(1862) W RHODA AVE. 220 S Hopkins, Oakland. One-story 5-room dwelling.

Owner—H. Goranson, 3435 Peralta Ave., Oakland.

Architect—None.

Day's work. COST, 2850

FLATS

(1863) S 38TH ST. 200 E Grove, being lot 24, Map Perrin Tract, Oakland. All work for two-story, 14-room flats.

Owner—G. W. Keeler, Oakland.

Architect—None.

Contractor—M. C. Vaughn, 5833 Ayala St., Oakland.

Filed Aug. 25, '19. Dated Aug. 21, '19.

Frame up 1/4

Plastered 1/4

Completed 1/4

Usual 35 days 1/4

TOTAL COST, \$11,000

Bond, Sureties, none. Forfeit, \$5.

Limit, 90 days Plans and specifications filed

DWELLING

(1864) NO. 1728 BEVERLY PLACE, Berkeley. One-story 5-room dwelling.

Owner—Roy O. Long, Elks' Club, Berkeley.

Architect—None.

Contractor—H. P. Sheridan, 2815 Grove, Berkeley.

COST, \$3200

ALTERATION

(1865) NO. 2414 FULTON, Berkeley. Alteration.

Owner—James Klingensmith, 2416 Fulton, Berkeley.

Architect—None.

Day's work. COST, \$400

FLATS

(1866) SW AILEEN and Adeline, Oakland. Two-story 14-room flats.

Owner—C. W. Reed, 2534 Pleasant, Oakland.

Architect—None.

Day's work. COST, \$10,000

FLATS

(1867) W LAKESHORE AVE., 500 N Rand, Oakland. Two-story, 10-room flats.

Owner—Fred W. Kewell, 720 33rd St., Oakland.

Architect—None.

Contractor—Alfred Cords, 20 Syndi-

cate Bldg., Oakland.

COST, \$10,000

BUILDING

(1868) SW FORTY-FIRST and Opal, Oakland. One-story carpenter and paint shop.

Owner—O. A. & E. Ry Co.; 40th and Shafter Ave., Oakland.

Architect—None.

Day's work. COST, \$3750

DWELLING

(1869) E PARK BLVD. 390 N Hampel. One-story 6-room dwelling.

Owner—R. S. Prussia.

Architect—None.

Contractor—J. B. Peppin, San Leandro.

COST, \$3168

DWELLING

(1870) NW E-SIXTEENTH and 41st Ave., Oakland. One-story 4-room dwelling.

Owner—F. Bushby, 1636 Rosedale Ave., Oakland.

Architect—None.

Day's work. COST, \$2500

DWELLING

(1871) E EDGERLY 180 E 55th Ave., Oakland. One-story 5-room dwelling.

Owner—Ben Tiers, 6119 Noble, Oakland.

Architect—None.

Day's work. COST, \$2000

ADDITION

(1872) NO. 2434 HILLSIDE AVE., Berkeley. All work for one-story reinforced concrete add to residence.

Owner—Amelia H. Armstrong, 2434 Hillside Ave, Berkeley.

Architect—John J. Donovan, 414 13th St., Oakland.

Contractor—R. W. Littlefield, 565 16th St., Oakland.

Filed Aug. 26, '19. Dated Aug. 25, '19.

1st day of each month 75%

Usual 35 days 25%

Bond, \$7700. Sureties, Globe Indemnity Co. Forfeit, none. Limit, 70 days.

Plans and specifications filed.

TOTAL COST, \$7700

GARAGE

(1873) NO. 2758 ASHBY AVE., Berkeley. Garage.

Owner—Lem Williams, 3140 Ellis St., Berkeley.

Architect—None.

Contractor—Wm. Livingston, 2918 Ellis St, Berkeley.

COST, \$400

ALTERATION

(1874) NO. 1471 ALLMAN ST., Oakland. Alter and build garage.

Owner—N. Winters, Premises.

Architect—None.

Days work. COST, \$750

GARAGE

(1875) NO. 389 PALM AVE., Oakland. Garage.

Owner—W. H. Oliver, Premises.

Architect—None.

Contractor—Jas. A. Pedgrift, 565 16th St., Oakland.

COST, \$500

ADDITION

(1876) NO. 1501 FIFTY-SEVENTH Ave., Oakland. Addition.

Owner—J. R. Lyle, 1502 57th Ave.,

Oakland.
 Architect—None.
 Contractor—S Damgaard, 1352 89th Ave., Oakland.
 COST, \$1000

GARAGE
 (1877) NO. 1824 IRVING AVE., Oakland. Garage.
 Owner—E. C. Larsen, 2512 Foothill Blvd., Oakland.
 Architect—None.
 Day's work. COST, \$500

REPAIRS
 (1878) NO. 553 HOBART, Oakland. Fire repairs.
 Owner—Frank A. Leach, 217 Hillside, Oakland.
 Architect—None.
 Contractor—A. H. Rose & Co., 525 17th St., Oakland.
 COST, \$400

ALTERATION
 (1879) S SECOND ST. bet. Broadway and Washington. Alteration.
 Owner—P. G. & E. Co.
 Architect—None.
 Contractor—M. E. Hopper & Son, 90 Glen Ave., Oakland.
 COST, \$546

ALTERATION
 (1880) NO. 1440 FIFTIETH AVE., Oakland. Alteration.
 Owner—Firen Bros., Premises.
 Architect—None.
 Contractor—A. Stenborg, 2122 Vicksburg Ave., Oakland.
 COST \$1000

DWELLING
 (1881) N ALLENDALE AVE., 90 W Octavia, Oakland. One-story, four-room dwelling.
 Owner—C. W. Short, 245 Acton Place, Oakland.
 Architect—None.
 Day's work. COST, \$2000

DWELLING
 (1882) W FIFTY-FOURTH AVE. 500 S E-14th St., Oakland. One-story, 5-room dwelling.
 Owner—D. M. Wright, 308 E-12th St., Oakland.
 Architect—None.
 Contractor—J. A. Leithman, 2308 Damuth St., Oakland.
 COST, \$2500

DWELLING
 (1883) S WELLINGTON 43 W Vista, Oakland, being lot 1, Map Diamond Vista, Oakland. One-story 5-room dwelling.
 Owner—Walter A. Dahl, Oakland.
 Architect—None.
 Contractor—Edward Olsen, 264 Mathew St., Oakland.
 Filed Aug. 28, '19. Dated Aug. 28, '19.
 Frame up 1/4
 Covered 1/4
 Completed and accepted 1/4
 Usual 35 days 1/4
 TOTAL COST, \$3500
 Bond, Sureties, none. Forfeit, \$150.
 Limit, 90 days. Plans and specifications filed.

ADDITION
 (1884) NO. 1001 TWENTY-SECOND Ave., Oakland. One-story addition (galv. iron) to machine shop.
 Owner—Premier Machinery Co., Prem
 Architect—None.

Contractor—Harry C. Knight, 1601 Telegraph Ave., Oakland.
 COST, \$4900

ALTERATION
 (1885) NO. 2446 TELEGRAPH AVE., Berkeley. Alteration.
 Owner—Mrs. C. A. Hermes, 2946 Claremont Blvd., Berkeley.
 Architect—None.
 Contractor—Frank A. Ernsberger, 741 Linden St., Oakland.
 COST, \$500

ALTER AND ADD
 (1886) NO. 2618 HILGARD AVE., Berkeley. Alteration and addition.
 Owner—Wm. F. Chryst, Premises
 Architect—None.
 Contractor—Ben Pearson, 2403 Grant St., Berkeley.
 COST, \$1500

DWELLING
 (1887) NO. 2950 AVALON AVE., Berkeley. Alteration and add to dwelling.
 Owner—Samuel B. Welch, 2816 Oak Knoll Terrace, Berkeley.
 Architect—None.
 Contractor—F. E. Allen, 2718 Regent St., Berkeley.
 COST, \$3500

ADDITION
 (1888) NO. 1303 VERSAILLES AVE., Alameda. Addition.
 Owner—Mrs. A. Pacey, Premises.
 Architect—None.
 Contractor—H. E. Irish, 2214 Clement St., Alameda.
 COST, \$1025

GARAGE
 (1889) SW GRAND and Santa Clara Aves., Alameda. Garage.
 Owner—F. A. Hearsch, Premises.
 Architect—None.
 Contractor—H. E. Irish, 2214 Clement St., Alameda.
 COST, \$450

ADDITION
 (1890) NO. 1434 SIXTH ST., Alameda. Addition.
 Owner—Wm. MacDonald, Jr., Prem.
 Architect—None.
 Contractor—E. A. Randlett, 1534 Chestnut St., Alameda.
 COST, \$400

RESTAURANT
 (1891) W WEBSTER ST. S Estuary Bridge, Alameda. One-story three-room restaurant.
 Owner—Tuck Lee, 624 Webster St., Alameda.
 Architect—None.
 Contractor—R. W. Littlefield, 565 16th St., Alameda.
 COST, \$3500

BUILDING
 (1892) NEPTUNE BEACH, Alameda. Frame building.
 Owner—Alameda Park Co., Premises.
 Architect—None.
 Contractor—A. T. Spence, 641 Taylor, Oakland
 COST, \$400

ADDITION
 (1893) NO. 1301 HIGH ST., Alameda. Addition.
 Owner—Manley Estate, Premises.
 Architect—None.
 Contractor—D. J. Snell, 2525 Adeline

St., Alameda.
 COST, \$995

DWELLING
 (1894) NE MOUND ST. and San Jose Ave., 35x100, Alameda. All work for one-story 5-room dwelling.
 Owner—Alexander Espagnolle, 2905 San Jose Ave., Alameda.
 Architect—Guy Brown.
 Contractor—Harry C. Knight, 1601 Telegraph Ave., Oakland.
 Filed Aug. 27, '19. Dated July 19, '19.
 All lumber delivered \$500
 Bal. in usual four payments.
 TOTAL COST 10% of approx cost of \$3700.
 Bond, Sureties, Forfeit, none. Limit, 75 days after foundations laid. Plans and specifications filed.

STATION
 (1895) GORE MARKET and San Pablo. One-story steel service station.
 Owner—Associated Oil Co., 817 Sharon Bldg., San Francisco.
 Architect—None.
 Day's work. COST, \$4060

DWELLING
 (1896) E COLBY ST. 200 W Claremont Ave., Oakland. One-story 5-room dwelling.
 Owner—C. J. Pfrang, 480 Forest St., Oakland.
 Architect—None.
 Day's work. COST, \$3500

DWELLING
 (1897) S DAMUTH 300 E Fruitvale Ave., Oakland. One-story 5-room dwelling.
 Owner—C. M. Dean, 2025 Damuth St., Oakland.
 Architect—None.
 Day's work. COST, \$2400

GARAGE
 (1898) NE FOURTH and Alice Sts., Oakland. One-story concrete garage.
 Owner—H. L. Hinman, 454 9th St., Oakland.
 Architect—L. A. Granger, Alameda.
 Contractor—Nelson & Forsyth, Union Bank of Savings Bldg., Oakland.
 COST, \$16,000

DWELLING
 (1899) W SEMINARY AVE. 100 N Seminary Court, Oakland. One-story 5-room dwelling.
 Owner—E. M. Marquis, 2827 Russell, Berkeley.
 Architect—None.
 Day's work. COST, \$2000

DWELLING
 (1900) S BLAIR ST. 55 E 8th Ave., Oakland. One-story 4-room dwelling.
 Owner—G. Prieto, 1235 102nd Ave., Oakland.
 Architect—None.
 Contractor—Joe A. Dies, 8518 G St., Oakland.
 COST, \$1500

ALTERATION
 (1901) NO. 1390 E 32ND ST., Oakland. Alteration.
 Owner—F. M. Mastretti, Premises.
 Architect—None.
 Contractor—S. D. Brigham, 1374, E-32nd St., Oakland.
 COST, \$800

REPAIRS

(1902) NO. 3202 PERALTA ST., Oakland. Fire repairs.
Owner—F. F. Porter, 1421 Broadway, Oakland.
Architect—None.
Contractor—J. R. MacGregor, 731 60th St., Oakland.

COST, \$930

GARAGE

(1903) NO. 5940 CLAREMONT AVE., Oakland. Garage.
Owner—W. J. Mitchell, Premises.
Architect—None.
Contractor—Strong Realty Co., 5649 College Ave., Oakland.

COST, \$400

RESHINGLE

(1904) NO. 952 MAGNOLIA ST., Oakland. Reshingle.
Owner—Swedish Baptist Church.
Architect—None.
Contractor—Alfred Gustafson, 226 29th St., Oakland.

COST, \$400

ROOF

(1905) NO. 1816 TWELFTH ST., Oakland. Galvanized iron roof.
Owner—Pacific Coast Canning Co., Premises.
Architect—None.
Day's work.

COST, \$850

DWELLING

(1906) E VALLE VISTA AVE. 110 S Bonham Way, being lot 38, Map A. J. Snyder's Piedmont Terrace by the Lake, Oakland. All work for one-story 5-room dwelling.
Owner—M. C. Mitchell.

Architect—None.
Contractor—W. G. Thornalley, 565 16th St., Oakland.

Filed Aug. 29, '19. Dated Aug. 28, '19.
Rough frame up ¼
Rough plastered ¼
Completed ¼
Usual 35 days ¼

TOTAL COST, \$5700
Bond, Sureties, Forfeit, none. Limit, 90 days. Plans and specifications filed.

ADDITION

(1907) NO. 1527 JOSEPHINE, Berkeley. Addition.
Owner—J. Koike, Premises.
Architect—None.
Contractor—H. M. Miltain, 1537 Post, San Francisco.

COST, \$1000

DWELLING

(1908) SW PORTER ST. and Maybelle Ave., Oakland. One-story 5-room dwelling.
Owner—A. Mortensen, 1531 6th St., Alameda.

Architect—None.
Contractor—F. N. Strang, 1405 Central Ave., Alameda.

COST, \$2500

GARAGE

(1909) SW TWENTY-SECOND and Valley Sts., Oakland. One-story brick garage.
Owner—John Hampton, 2202 Telegraph Ave., Oakland.
Architect—None.
Contractor—F. W. Knight, 557 22nd St., Oakland.

COST, \$1400

DWELLING

(1910) S WALLA VISTA 450 E Lakeshore Ave., Oakland. One-story 6-room dwelling.
Owner—F. L. Woodburn, 155 Parkside Drive, Berkeley.
Architect—None.
Day's work.

Cost, \$3000

DWELLING

(1911) LEONA HEIGHTS, Oakland. One-story 3-room dwelling.
Owner—Geo. G. Price, Premises.
Architect—None.
Day's work.

COST, \$508

GARAGE

(1912) NO. 6150 MENDOCINO AVE., Oakland. Garage.
Owner—Dr. David Hadden, Premises.
Architect—None.
Contractor—James L. Rich, 947 42nd St., Oakland.

COST, \$400

GARAGE

(1913) S 38TH ST. 200 W Grove, Oakland. One-story brick garage.
Owner—G. W. Keeler, 558 34th St., Oakland.
Architect—None.
Contractor—M. C. Vaughn, 5833 Ayala St., Oakland.

COST, \$850

GARAGE

(1914) 1963 FRANKLIN, Oakland. One-story concrete garage.
Owner—M. T. Dethlefsen, Premises.
Architect—None.
Contractor—Oakland Concrete and Terrazzo Co., 2227 Market, Oakland.

COST, \$500

COMPLETION NOTICES.

Alameda County.

Recorded Accepted
Aug. 21, 1919—PT 100 S AND 50 W of SW Cor 1st and Jefferson Sts., N 59xW 50. Oakland. Pacific Gas and Electric Co. to T. V. We Sella. Aug. 13, 1919
Aug. 21, 1919—S SNAKE ROAD, approx. 620 E Moraga Road, Oakland. Realty Syndicate Co. to E. W. Woodward. Aug. 20, 1919
Aug. 22, 1919—PTN LOT 1, BLK A, Map Portion Prospect Hill Tract, Berkeley. Roswell S. Wheeler to Charles F. Lodge. Aug. 22, 1919
Aug. 23, 1919—(1) LOT 3 AND SW 5, lot 4 and NE 15 lot 2, Blk 9; (2) lot 1 and SW 10 lot 2, Blk 9, Map Ayson's Moss Tract, Oakland. R. J. Pavert, Inc., to whom it may concern. Aug. 22, 1919
Aug. 27, 1919—LOT 3, BLK A, Map Lakewood Park, Oakland. Lorena A. Adams to Harry Schwalm. Aug. 22, 1919

ITEMS FILED.

Alameda County.

Aug. 25, 1919—LOT 34, BLK 5, Map Resubdivision north. North Cragmont. Harry Ahnfeldt vs. Jessie A. & R. A. Benjamin. \$163
Aug. 28, 1919—SE BROOKLYN and Mont Clair Ave., Oakland. James H. Hardy, Inc. vs. W. H. Matteson and Frank Anderson. \$70

BUILDING CONTRACTS.

Sacramento County.

DWELLING

NO. 2222 D ST., Sacramento. Five-room dwelling.
Owner—O. B. Whipple, 414 23rd St., Sacramento.
Architect—None.
Contractor—J. T. Randall, 2831 "I" St., Sacramento.

Cost, \$3800

DWELLING

NO. 2482 FORTY-FIRST ST., Sacramento. One-story, 5-room dwelling.
Owner—P. C. Gamble, 1123½ 5th St., Sacramento.
Architect—None.
Day's work.

Cost, \$3500

BUILDING

NO. 1300 SIXTEENTH ST., Sacramento. One-story frame building.
Owner—Union Oil Co., Front and Y streets, Sacramento.
Architect—None.
Day's work.

COST, \$1000

BUILDING

NO. 211 P ST., Sacramento. One-story corrugated iron building.
Owner—California Packing Corporation, Front and P Sts., Sacramento.
Architect—None.
Contractor—K. Geary, 913 Front St., Sacramento.

COST, \$2000

REPAIRS

NO. 425 J ST., Sacramento. Fire repairs.
Owner—C. Schultz, Arbuckle.
Contractor—A. W. Norris, 3012 G St., Sacramento.

COST, \$1260

REMODEL

NO. 414 R ST., Sacramento. Remodel building.
Owner—C. H. Krebs, 626 J St., Sacramento.
Architect—None.
Contractor—G. H. Hudnutt, 211 California Fruit Bldg., Sacramento.

COST, \$1400

NO. 1115 SEVENTH ST., Sacramento. remodel inside of building.

Owner—F. S. Smith, 1614 11th St., Sacramento.
Architect—None.
Contractor—F. A. Thurman, Premises.

COST, \$1000

NO. 721 M ST., Sacramento. One-story brick store building.

Owner—J. E. Huntoon, 1317 15th St., Sacramento.
Architect—None.
Contractor—G. D. Hudnut Inc., 211 California Fruit Bld., Sacramento.

COST, \$13,600

FRAME BUILDING

N ½ OF S ½ Lot 3 W 15 of S ½ of E ½ Lot 3; N ½ of S ½ Lot 4 W, 20th and 21st Sts., Sacramento. All work for two-story frame building.
Owner—Harry R. Brown, 822 27th St., Sacramento.
Architect—None.
Contractor—E. A. Corum, 2533 Portola Way, Sacramento.
Filed Aug. 13, '19, Dated Aug. 9, '19.

COST, \$6445

BUILDING AND ENGINEERING NEWS

DWELLING
LOTS 39 AND 40 BLK 2, College Addition, Fresno. Dwelling and garage
Owner—J. G. Porter, 940 Cambridge St., Fresno.
Architect—None.
Day's work. COST, \$10,000

DWELLING
LOTS 4 AND 5 BLK 237, Fresno. Dwelling.
Owner—Henry Steinhauer, 2196 Holly St., Fresno.
Architect—None.
Contractor—Wm. Kerner, Fresno.
COST, \$2500

REMODELING
NW FIRST AND SAN ANTONIO, San Jose. All millwork, plate glass, brick work, concrete and cement work, painting, awning, iron and steel work, etc., for remodeling store.
Owner—The Wiley B. Allen Co. (a corporation), 117 So. 1st, St., San Jose.
Architect—Louis Theo. Lenzen, 110 So. 2nd, San Jose.
Contractor—W. J. Moore, 75 Daune, San Jose.
Filed Aug. 18, '19. Dated Aug. 15, '19.
As work progresses 75%
Usual 35 days 25%
TOTAL COST, \$3582
Bond, \$1791. Sureties J. S. Williams and A. L. Hubbard. Forfeit, none.
Limit, 30 days. Plans and specifications filed.

FACTORY
MOORPARK AVE. and Race St., San Jose. All work for two-story, reinforced concrete factory building.
Owner—S. J. Spoelstra, San Jose.
Architect—Wm. Binder and E. N. Curtis, 257 So. First, San Jose.
Contractor—R. O. Summers, 17 No. First, San Jose.
Filed Aug. 18, '19. Dated Aug. 18, '19.
Between 1st and 6th each mo. 75%
Usual 35 days 25%
TOTAL COST, \$41,343
Bond, \$20,622. Sureties, Hartfor Accident and Indemnity Co. Forfeit, \$50.
Limit, 70 days. Plans and specifications filed.

ADDITIONS
NO. 44 NO. MARKET, San Jose. Addition and alterations
Owner—J. S. Williams, 44 No. Market, San Jose.
Architect—Wolfe & Higgins, Auzerails Bldg., San Jose.
Contractor—W. E. Moore.
COST, \$7870

RESIDENCE
PALM HAVEN, San Jose. One and one-half story residence.
Owner—Herman Krause, 243 No. 9th, San Jose.
Architect—Owner.
Contractor—Howard Waltz, 132 Balbach, San Jose.
COST, \$3500

BUILDING CONTRACTS.

San Joaquin County.

HANDBALL COURT
SW SAN JOAQUIN and Channel Sts., Stockton. Handball court
Owner—Y. M. C. A., Stockton.

Architect—None.
Day's work. COST, \$2250

BUILDING
COR. AURORA AND MARKET STS., Stockton. Industrial building.
Owner—The Georges Co., 29 S. Aurora St., Stockton.
Architect—None.
Days work. COST, \$50,000

DWELLING
FAIR OAKS, Stockton. Frame Dwlg.
Owner—A. C. Dahl, Stockton.
Architect—None.
Day's work. COST, \$1900

DWELLING, ETC.
STOCKTON ST. between Vine and Rose, Stockton. Frame dwelling and garage.
Owner—E. A. Fitzgerald, Stockton.
Day's work. COST, \$3800

DWELLING, ETC.
NORTH between Yosemite and Stockton. Frame dwelling and garage.
Owner—F. P. Dobson, 27 W Oak St., Stockton.
Architect—None.
Day's work. COST, \$3700

RESIDENCE
CLAY between American and Stanislaus, Stockton. Frame residence.
Owner—C. Diez, 229 S Eugene Ave., Stockton.
Architect—None.
Day's work. COST, \$2000

APARTMENTS
OAK ST., between Sutter and California, Stockton. Frame apartments.
Owner—Goold and Johns, 113 So. California, Stockton.
Architect—None.
Day's work. COST, \$25,000

RESIDENCE
SCHWEITZER TRACT, Stockton. Frame residence.
Owner—Mary F Sowell, Stockton.
Architect—None.
Day's work. COST, \$2200

REMODEL
COR. COMMERCE & SCOTTS AVE., Stockton. Remodel Bldg.
Owner—Western Meat Co., Sacramento and Lafayette, Stockton.
Architect—None.
Day's work. COST, \$4000

LIENS FILED

Santa Clara County.

Aug. 21, 1919—NO. NINTH ST., San Jose. Laurence Lewis vs. Arthur Stringfellow \$52.45

COMPLETION NOTICES.

Santa Clara County.

Recorded Accepted
Aug. 13, 1919—CAMPUS OF STANford University, Palo Alto. Board of Trustees of Stanford University to The Turner Company, San Francisco, plumbing work.....
Aug. 5, 1919

Aug. 13, 1919—CAMPUS OF STANford University, Palo Alto. Board of Trustees of Stanford University to The Turner Company, San

Francisco, electrical work.....
Aug. 5, 1919

BUILDING CONTRACTS.

San Joaquin County.

STATIONS
WEBER AND STANISLAUS STS., Lafayette and San Joaquin and California and Church Sts., Stockton. Three service stations.
Owner—Associated Oil Co., Weber St. near Edison, Stockton.
Architect—None.
Day's work. Cost, \$4300 each

BUILDING
STOCKTON. Building.
Owner—Margaret E. Cunningham and Katherine G. Boggs, 17 E. Acacia St., Stockton.
Architect—None.
Contractor—C. J. Powell and C. W. Medberg, 613 W-Flora St., Stockton. Cost, \$1270
Filed Aug. 13, '19. Dated Aug. 4, '19.

DWELLING
FISHERS ADDITION, Stockton. All work for dwelling.
Owner—De Etti Wilbert, Stockton.
Architect—None.
Day's work. COST, \$1800

COMPLETION NOTICES.

San Joaquin County.

Recorded Accepted
Aug. 6, 1919—LOTS 37, 38 AND 40 Blk 4, North Manteca Sec 32 T 1 S R 7 E, Stockton. Otto F Dietz and wife to Nickelsen & Meneley
Aug. 6, 1919
Aug. 15, 1919—SE ¼, SEC. 17, T 3 N R 7 E. Ruth M. Howland to T. E. Williamson.....
Aug. 13, 1919
Aug. 18, 1919—LOT 3, BLK. 1, City Park Terrace, Stockton. Marie and J. B. Wolf to whom it may concern July 15, 1919

COMPLETION NOTICES.

Marin County.

YOLANDO COURT, San Anselmo, Marin Co., Cal. Carpenter work, plastering, concrete, etc., for one-story frame residence.
Owner—James H. Fannin, San Anselmo.
Architect—Edward E. Young, 251 Kearny St., San Francisco.
Contractor—Peter Hamilton, San Anselmo.

Filed Aug. 16, '19. Dated Aug. 15, '19.
Frame up \$1031.25
Enclosed 1031.25
Brown coated 1031.25
Completed 1031.25
Usual 35 days 1375.00
TOTAL COST, \$5500
Bond, Sureties, Forfeit, none. Limit, 90 days. Plans and specifications filed.

LIENS FILED.

Marin County.

Aug. 26, 1919—MILL VALLEY, Marin Co., Cal. Mill Valley Lumber Co. vs. Fred A. Roemer.....\$408.08

BUILDING CONTRACTS.

Fresno County.

ADDITION

NO 927 J St. Addition to rear.
Owner—Ko Bros, 927 J St., Fresno.
Architect—None.
Contractor C. W. Stewart, 1041 Harrison St., Fresno.

Cost, \$2500

DWELLINGS, ETC.

LOTS 27, 28, BLK 54, and W $\frac{1}{2}$ of lot 22, lots 23, 24, blk. 53, E. Fresno.
Two dwellings and garages.

Owner—Fresno Building Corporation, Fresno.

Architect—None.

Day's work. Cost (each), \$4850

DWELLINGS, ETC.

LOTS 1, 2, 3, BLK. 58, and lots 9, 10, W $\frac{1}{2}$ of lot 11, Blk 57, E Fresno.
Two dwellings and garages.

Owner—Fresno Building Corporation, Fresno.

Architect—None.

Day's work. Cost (each) \$6,250

SCHOOL

SAN JOAQUIN SCHOOL DISTRICT, Fresno. All work for frame school house.

Owner—San Joaquin School District, Fresno, Cal.

Architect—Swartz & Swartz, Fresno.

Contractor—C. D. Barkeley and R. D. Gould, 2305 White St., Fresno.

Filed Aug. 12, '19. Dated Aug. 1, '19.

Value of work \$4048. \$3036.00

Value of work \$9096. 3036.00

Value of work \$12,144. 3036.00

On completion 3033.75

Usual 35 days. 4,047.25

TOTAL COST, \$16,189.00

Bond, none. Limit, 100 working days.
Forfeit, none. Plans and specifications filed.

STORE BUILDING

LOTS 11 AND 12 BLK 372, Fresno.

Store building.

Owner—Jas. E. Power, Fresno.

Architect—None.

Contractor—J. L. Daly, 702 G St., Fresno.

COST, \$19,250

GARAGE

LOTS 6 AND 7 BLK 65, Fresno. Garage.

Owner—Ernest Weimar, 436 Yosemite St., Fresno.

Architect—None.

Day's work. COST, \$10,000

BUILDING CONTRACTS.

San Mateo County.

RESIDENCE.

BURLINGAME PARK, lot 25, Blk. 8, subdivision No. 2. One-story frame residence.

Owner—Joseph B. Haffen, Jr., 3855 21st St., San Francisco.

Architect—Ernest L. Norberg, Bankers' Investment Bldg., San Francisco.

Contractor—C. H. Bessett Building Co., Burlingame, Calif.

Filed Aug. 15, '19. Dated July 28, '19.

Frame up \$1412.50

Plastered 1412.50

Accepted 1412.50

Usual 35 days 1412.50

TOTAL COST, \$5650

Bond, Sureties, Forfeit, Limit, none.
Plans and specifications filed.

RESIDENCE

E COSTA RICA AVE. 60 S Howard Ave., Burlingame. Excavating, brick work, carpenter work, sheet metal, mill work, plastering, painting, plumbing and electrical wiring for one-story frame residence.

Owner—Wm. H. Rankin, 1211 Floribunda, Burlingame.

Architect—None.

Contractor—J. R. Catherwood, 149 W Poplar, Burlingame.

Filed Aug. 19, '19. Dated Aug. 15, '19.

Frame up \$722.50

Brown coated 722.50

Completed and accepted 722.50

Usual 35 days 722.50

TOTAL COST, \$2890

Bond, Sureties, Forfeit, none. Limit, 60 days. Plans and specifications filed.

RESIDENCE, ETC.

LOT 7, BLK. 1, Subdivision 3, Burlingame Park, Burlingame. One-story and basement, plastered exterior residence and frame garage.

Owner—Blanch Worth.

Architect—Charles E. J. Rogers, Phelan Bldg., San Francisco.

Contractor—Charles Pedersen, 111 10th Ave., San Mateo.

Filed Aug. 21, '19. Dated Aug. 21, '19.

Frame complete \$2543.50

Brown coated 2543.50

Building completed 2543.50

Usual 35 days 2543.50

TOTAL COST, \$10,174

Bond, Sureties, Forfeit none. Limit, 90 days after Aug. 25. Plans and specifications filed.

RESIDENCE

W SHARON AVE., SW junction of Floribunda Ave., Hillsborough. Two-story and basement plastered exterior residence.

Owner—Mrs. Flora L. Cloman, Hillsborough, Calif.

Architect—Thomas Nelson Murray, 676 Monadnock Bldg., San Francisco.

Contractor—W. A. Goerick (as Taylor & Goerick), Sharon Bldg., San Francisco.

Filed Aug. 19, '19.

Frame up and sheathed \$5675

Rough coat plaster and electric work 5675

All work completed 5675

Usual 35 days 5675

TOTAL COST, \$22,700

Bond, \$11,350. Sureties, United States Fidelity and Guaranty Co. Forfeit, none. Limit, 120 days. Plans and specifications filed.

BUILDING CONTRACTS.

Santa Clara County.

FRAME RESIDENCE

V. SECOND ST., bet. Reed and Market Sts., San Jose. All work for two-story frame residence.

Owner—G. W. and Mary E. Ryan, 450 Second St., San Jose.

Architect—Wolfe & Higgins, 93 Auzerais Bldg., San Jose.

Contractor—Geo. Linblom, 519 W-San Carlos St., San Jose.

Filed Aug. 7, '19. Dated Aug. 5, '19.

Frame up \$2325.25

Plastering on 3235.25

Finished and accepted 3235.25

Usual 35 days..... 3235.25

TOTAL COST, \$12,941.00

Bond, \$6470.50. Sureties, Otto E. Schnabel and Antone Schirle, Limit, 110 days from date of agreement. Forfeit, \$2 per day. Plans and specifications filed.

R C BUILDING

MARKET near San Carlos St., San Jose. Reinforced concrete building

Owner—Geo. K. McDonald, 37 Hobson St., San Jose.

Architect—Wallace & Bush, Bank of San Jose Bldg., San Jose.

Contractor—Wallace & Bush, Bank of San Jose Bldg., San Jose.

COST, \$20,000

COTTAGES

TENTH AND MISSION STS., San Jose. Cottages and baths for operators.

Owner—Producers Warehouse Co., Tenth and Taylor Sts., San Jose.

Architect—None.

Contractor—Wallace & Bush, Bank of San Jose Bldg., San Jose.

COST, \$25,000

COTTAGE

NO. 380 S-ELEVENTH St., San Jose. Six-room cottage.

Owner—W. T. Stone, Premises.

Architect—F. C. Nelson, S-Tenth St., San Jose.

Contractor—F. C. Nelson.

COST, \$5000

GARAGE AND LAUNDRY

MOORPARK AVE. between Bascom Ave. and Winchester Road, San Jose. All work for two-story frame garage and laundry building.

Owner—W. R. Fessenden, San Jose.

Architect—Chas. S. McKenzie, 511 Bank of San Jose Bldg., San Jose.

Contractor—Al Compton, 547 N. 17th St., San Jose.

Filed Aug. 14, '19. Dated July 31, '19.

Frame up \$522.25

First coat of plaster on 522.25

Completed 522.25

Usual 35 days 522.25

TOTAL COST, \$2089

Bond, \$1100. Sureties, E. W. Schnabel and Otto E. Schnabel. Forfeit, none. Limit, 50 days. Plans and specifications filed.

DWELLING

NEAR SAN JOSE. All work for one-story and basement frame dwelling.

Owner—O. K. Cushing, San Francisco.

Architect—William C. Hays, First National Bank Bldg., San Francisco.

Contractor—L. Cereghino, 180 Jessie, San Francisco.

Filed Aug. 14, '19. Dated Aug. 12, '19.

Building enclosed & roof on \$1843

Brown coated 1843

Completed and accepted 1843

Usual 35 days 1846

TOTAL COST, \$7375

Bond, \$3750. Sureties, G. B. Cordano and Rocco Cereghino. Forfeit, none. Limit, 75 days. Plans and specifications filed.

DWELLING

LOTS 32 AND 33 BLK 11, College Addition, Fresno. Dwelling.

Owner—C. E. Millhollen, 363 Thesta St., Fresno.

Architect—None.

Day's work. COST, \$2600

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BOXWOOD-EMERY-IRONPARK
JEWEL-NOA-SPANISH CEDAR
LIGNUMVITAE-MAHOGANY
HICKORY-TEAK-RED BEAN
SPOTTED GUM-CREOSOTE WALNUT
LUMBER--TIMBER
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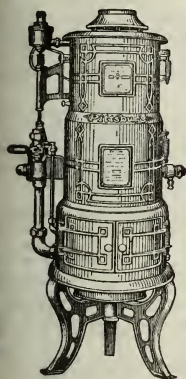
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Published Every Wednesday
Nineteenth Year, No. 37



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Committee Meeting Every Friday, 7:30 P. M. at Chapter Office.

San Francisco Chapter Office, 700 Marston Bldg.

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J. P. FARRELL.....Exchange Editor

American Association of Engineers

"BOND ISSUES."

Their Use and Misuse.

By George M. Nelson, Consulting Engineer, S. F.

II.

Irrigation bonds have had a more checkered career than any other kind of bonds. Out of the fifty-seven districts that were formed, from the passage of the Wright Act in 1887, till July, 1915, only seventeen are now operating. Frank Adams, irrigation manager of the U. S. Department of Agriculture, gives as some of the reasons for the forty failures:

"Lack of data as to water supply and construction costs, resulting in engineering mistakes."

"In a few cases, willingness of engineers of repute to report favorably on district projects for which there was no physical justification and for which, in some cases, there was no moral justification."

"In some cases failure of the organizers of districts to give due regard to economic feasibility at the time the projects were undertaken."

Fifteen millions in bonds were voted in these forty districts. Some of these issues were sold, and most of them compromised on 25 cents on the dollar.

Of the irrigation districts formed in the last ten years several have already shown serious lack of judgment on the part of their engineers and are furthermore changing engineers (surveyors) so often that no chance has been given to rectify the earlier mistakes. The Anderson-Cottonwood district started with an indebtedness of \$480,000 bonds voted in June, 1915, and has now bonds outstanding in the amount of \$1,055,000, with another bond issue coming soon. The inexperience of the engineers connected with this work was shown early in the very extravagant claims put forward as to the low unit costs that they would be able to do this work for and which utterly failed of realization.

Change in engineers did not materially change the soundness in judgment evidenced by the construction of expensive reinforced concrete structures, connecting unlined canal sections excavated in an extremely gravely soil and running through land not yet cleared of even the largest and

heaviest timber and most land holdings too large for successful irrigation farming. The low lands of this district, the bottoms so-called, which were farmed before the organization of the district are in danger of being waterlogged unless a drainage system is built.

The South San Joaquin District has also had to materially increase its bond issue, this also occasioned through the engineer's inability to appreciate the fact that the cost of construction work is not confined to what is paid to the laborers doing the job of shoveling or driving the Fresno. This district started out with a bond issue of \$1,875,000 in 1910, and has now a total indebtedness of \$3,835,000 with more to come as the lower lands in this district are becoming badly waterlogged, bringing the alkali latent in the soil to the surface. The \$85,000 included in the last bond issue for drainage will be as a drop in the bucket to the amount necessary to take care of a proper drainage system. Wooden trestles of rather slim design are now being replaced with concrete structures capable of carrying the loads imposed thereon. The natural conditions, advantages of location, and intensity of population are diametrically opposite of those under which the Anderson-Cottonwood District labors; that some of the expensive reinforced concrete structures now looking rather lonesome in the northern district could have been built with excellent economical results in the South San Joaquin. Modesto and Turlock lands are both becoming waterlogged and steps must soon be taken to relieve this situation, and do it intelligently. Both districts are contemplating an increase in their storage capacity for the purpose of serving more water to their lands; but their engineers should, if they can give the whole situation a much closer study than they have so far, first try to solve the problem by an intelligent distribution of the water according to the needs of the crops and not according to some farmers' howl for water when he sees his neighbor is getting some. Too much water has ruined more land than too little.

(Continued next week)

NEWS FROM NATIONAL HEAD-QUARTERS.

The results of the recent referen-

dum held by the American Association of Engineers on the distribution of expenses among ten various activities of the Association indicate that all of the things which the members believe to be important, the employment service is the most popular.

The referendum was recently completed and the total vote indicated a desire on the part of the members to have about 17 per cent of the income of the association spent on employment. It is interesting to know that compensation was second with a percentage of about 16. The official publication, promotional work, publicity, legislation, protection and prevention of abuses, membership, civic welfare, and ethics and practice were next in the order named. It is interesting to note that mining engineers voted the greatest percentage to employment, while the least percentage voted to employment was by those engineers employed by educational institutions. Government engineers voted more to be spent on publicity than any other class. The greatest desire for development of the organization appears to lie in the educational group; for these engineers voted 3 per cent more for promotional work than any other class of members. Engineers employed by public utilities voted the greatest amount to be spent on legislation, although those employed by states ran a close second. Legislation was least desired by government engineers, who voted a full 3 per cent less than those employed by public utilities. Engineers in private practice voted the greatest amount to be spent on civic welfare work; the least amount voted to this work was about 3 per cent voted by mining engineers. Engineers in private practice voted a greater amount to be spent on protection and prevention of abuses than any other class of members. Municipal engineers voted the most money to be spent on compensation, while railroad engineers, engineers in public utility work and engineers employed by states followed in the order named: the complete tabulation of the vote follows: Employment, 17.4 per cent; compensation, 16.3; promotional work, 10.9; publicity, 9.8; legislation, 8.3; protection and prevention of abuses, 8.1; membership campaign, 5.8; civic welfare, 4.5; ethics and practice, 3.6.

Many chapters and clubs of the American Association of Engineers

everywhere are taking action on legislation. The Townsend Bill, providing for a well organized system of highway development, has received the favorable vote of a great many of these local organizations, including those at St. Paul, Minneapolis, San Francisco, Muskogee, Okla.; Pittsburgh, Chicago, Chattanooga and Indianapolis. Chapters and clubs are taking a great interest in state and community legislation. The Baltimore Chapter has requested the Governor to appoint an engineer to the public service commission of Maryland. The Pittsburgh Chapter has inaugurated the practice of investigating the qualifications of candidates for such offices as county commissioner and making public its reports on the qualifications of the various candidates. The Fresno (Calif.) Club has issued a special notice to the public setting forth the necessity for an affirmative vote on a bond issue to provide additional funds required to make up a deficit in the county treasury. Everywhere there is being developed a strong interest in local politics.

On Friday, August 22nd, Dr. F. H. Newell, President of the American Association of Engineers, assisted the engineers in city service in Portland, Oregon, in their attempt to obtain increased compensation, by appearing before the mayor and city council in advocacy of the increase. Dr. Newell spoke at length upon the necessity for adequate compensation and upon the methods of the American Association of Engineers.

NEWS OF A. A. E. MEMBERS.

J. Winter Smith, of San Jose, has accepted a position as engineer-appraiser with the Federal Farm Loan Bureau at Helena, Montana. Mr. Smith was recently discharged from the army as captain of engineers. He is a member of the American Association of Engineers, and took a prominent part in organizing the A. A. E. at San Diego.

A. Lincoln Fellows, member of the A. A. E., has been reappointed engineer for the next three months for the proposed Kern County Water District.

PEAK LOADS.

San Francisco, Aug. 26, 1919.
Open Letter to the Members of the A. A. E.:

Peak loads are the maximum loads served by a plant. The amount of equipment both working and spare must be designed to carry the peak loads. The number of attendants must be greater during the peak load periods than at other times and broken hours of labor result from the effort to provide the maximum personnel for peak load periods and the minimum personnel for stand by periods.

We should assume that with government regulation of all public utilities the reduction in annual expense of operating these utilities will result in a corresponding saving to the public. Our duty as engineers requires us to further all efforts looking toward the improvement of public utility operation which will net a saving to the consuming public.

Unfortunately all peak loads are due to the habits of the people. All of us desire to work during the day and sleep at night. We wish to arise about the same time, go to and return from work about the same time, burn all our electric lights about the same time and retire about the same time. The public utilities can show peak load records which absolutely disclose the habits of a community. Each utility has traffic departments which are engaged in studies to lower the peaks or fill up the troughs with off peak business.

The elimination of peak loads is an ideal impossible to accomplish. The approach to this ideal becomes steeper and more difficult the farther we proceed along the line. We are confronted with daily peaks, weekly peaks and seasonal peaks, and a reduction in the first, while offering compensation sufficient to reward any efforts along that line, is meager compared to the gain which will result from cutting down the seasonal peaks.

How far we as engineers can go in this matter is a question. Possibly we should not even attempt to solve the problem. On the other hand we owe it to the public to at least ascertain whether or not it is practical to effect any improvement in the matter. As a start we should appoint a peak load committee which could receive and digest suggestions of the other members and do what it could to formulate an intelligent proposal. An engineer from each type of public utility in our area should be on the committee. This committee might well confine its efforts to San Francisco utilities as a trial, and if it works out we can extend our efforts and enlist the National Association in the campaign.

You will agree that one successful project will do a great deal toward winning favor for our association, and will show that we can make good in one of the aims of the American Association of Engineers.

The following notes discuss some of the phases of the San Francisco problems.

Notes on the Reduction of Peak Loads in San Francisco—Some Observations.

A—1. The laborers report for work promptly at 7:30 a. m. and 8:00 a. m.

2. The regular office force report for work promptly at 8:00 a. m. and 8:30 a. m.

3. The supervisory employees report for work at varying times between 8:30 a. m. and 9:00 a. m.

4. The officials and independent professional people reach their offices at varying times between 9:00 and 9:30 a. m.

B—The great majority of the 1st class are relieved for lunch at 12:00 o'clock promptly. To some degree the 2nd class has been split so that a part go to lunch at 11:30 a. m. and 12:30 p. m., but a great many are relieved at 12:00 o'clock. The 3rd class are given some latitude in the selection of the lunch period, but they usually leave at 12:00 o'clock. The fourth class leaves sometime after 12:00 o'clock, although many maintain a strict routine with regard to leaving and a lax routine for returning after lunch.

C—The first class quits promptly at 4:30 and 5:00 p. m. The second class quits promptly at 5:00 and 5:30 p. m. The third class quits at varying times from 4:30 to 5:30 p. m. The fourth class quits at varying times from 4:00 to 6:00 p. m.

D—The first and second classes eat supper at 5:00 to 6:00 p. m. The third and fourth classes eat dinner from 6:00 to 7:00 p. m.

E—The first and second classes retire at 9:00 to 10:00 p. m. The third and fourth classes retire at 10:00 to 11:00 p. m.

Some Thoughts.

If employers would agree to a modification of the working hours of their employees to fit in with a general plan evolved by the committee, the rush periods at 7:30, 8:00 and 8:30 a. m., 12 noon; 4:30, 5:00 and 5:30 p. m. could be smoothed out considerably without causing an advance or delay of more than twenty-five minutes; in the working time limits of any one concern.

B—At present the various classes of employees arrive and depart at different times (excepting at noon) and tend to reduce the traffic somewhat, but the peaks still exist, although much lower than would be the case were all employees assigned the same reporting and quitting times.

C—Western Union clocks have given such uniform time to the working public that the exact assignment of reporting and quitting times have tended to create the present peaks. We would not desire to eliminate them, as accuracy of time is an essential element in modern life.

D—The crowding of the sidewalks and street cars, and the rush and jam of automobile traffic occur now due to the uniformity existing in our human habits. A difference of five or ten minutes in the reporting and quitting time will materially relieve this congestion.

E—The Chamber of Commerce should be enlisted in the undertaking and can exercise great influence over the employers. Our committee having drafted a working plan should secure the assistance of the Chamber of Commerce in its execution.

F—Relieving the congestion of the streets and sidewalks will assist the traffic squad of the Police Department, and we may count on the endorsement of our plan by the Police Commissioners.

G—Relieving the congestion during the noon hour will help the restaurant men and their employees.

H—The traction companies will gain materially by a reduction of the peak loads.

I—The gas and electric utilities may notice also a slight change in the habits of the people tending to reduce the peaks.

J—The Telephone Company may notice a slight reduction of the peaks in the residential districts during the evening.

K—The public will gain the most as better service can be given by the utilities and less crowding will be noticed on the streets and street cars.

V. D. COUSINS, Member A. A. E.,
Telephone Engineer,
622 Shelton Bldg.

ASSEMBLY BILL NO. 239.

(Continued from last week)

Sec. 7. The board of supervisors shall provide and assign to the county engineer and his assistants a suitable office or offices in the court house, or in some place conveniently located with reference thereto with all necessary instruments, tools, implements, stationery and supplies.

Sec. 8. The county engineer shall make requisitions upon the board of supervisors for the purchase of all tools, implements, machinery, materials and supplies required to carry out the intent of this act, and said requisition shall state plainly the estimated cost of the article or articles to be purchased. He shall approve all claims for the same before such claims are audited and passed by the board of supervisors. He shall be the custodian and be responsible for all equipment under his control. All such property shall be stored and protected from the weather when not in use. An inventory of all property in his custody shall be made annually and kept on file in the office of the county engineer.

Sec. 9. Upon the completion of work done for the county on its roads, highways, streets, bridges and aqueducts, or in any connection with the same, the county engineer must examine the same and if completed in accordance with the specifications thereof, he must submit to the board of supervisors a certificate over his own signature and official seal to the effect that such work by the contractors thereof has been completed in accordance with the specifications thereof and recommending its acceptance. The board shall thereupon audit the same and direct its payment out of the proper fund or funds.

Sec. 10. Whenever the state department of engineering has authority to sell equipment, material or supplies for road building, repairs or maintenance and a saving may be made to a county by purchasing from said department, the board of supervisors upon the recommendation of the county engineer may purchase such equipment, materials or supplies from the state.

Sec. 11. The office of county surveyor of any county shall be and is hereby abolished upon the occurrence of any of the following conditions:

(a) Upon the appointment as county engineer of the person who holds the office of county surveyor at the time such appointment is made and the acceptance of such appointment by the county surveyor; or

(b) In other cases, upon the expiration of the term of the person who holds the office of county surveyor at the time the appointment of county engineer is made; provided, that if such appointment is made within six months of the expiration of the then current term of county surveyor, the office of surveyor in such county shall be and is hereby abolished upon the expiration of the next succeeding term.

Sec. 12. Nothing herein contained shall be held, deemed or construed to prevent members of boards of supervisors from visiting and inspecting work in progress within the county or receiving for such services the mileage now allowed by law.

Sec. 13. This act shall be known as and when cited or amended may be designated as "the county engineer act."

OFFICIAL ENGINEERING POSITIONS IN CALIFORNIA.

The Compensation Committee of the San Francisco Chapter, A. A. E., has started a survey of all official engineering positions in the State of California in order to create a sound basis for an intelligent wage study. We have compiled all the official information attainable from reports and other public documents, and invite the engineers of California to send us any information possible that will bring our data up to date. We shall print our data as we proceed in compiling it, and when all corrections have been made and the report is up to date, it will be published in full so we shall have a basis to work on in the future that is well worth the labor.

COMPENSATION COMMITTEE, S. F. CHAPTER,

A. A. E.,
GEORGE M. NELSON, Chairman,
Consulting Engineer

ALAMEDA COUNTY.

Surveyor per year, \$4,000.00
1 Deputy per year, 2,700.00

Surveyor: Work directed, or charged to be performed by law, to be at actual cost. On all such work other than block work hereinafter provided for—transit men and office men, when actually engaged, shall receive not exceeding \$6.00 per day; chain men \$3.00 per diem.

For making, platting, tracing or otherwise preparing maps, plats or block books for use of county or any municipality within county there is allowed surveyor following draughtsmen:

1 Chief \$175
1 Asst. 125

4 Asst., not exceeding 8 months, at \$125 per month each. Surveyor allowed necessary expenses for work performed for the county by virtue of his office and all necessary expenses and transportation for work performed in the field. Salary is in lieu of all other fees, commissions or compensation of any nature.

ALPINE COUNTY.

Surveyor Fees.

AMADOR COUNTY.

Surveyor Fees

BUTTE COUNTY.

Surveyor Fees

CALAVERAS COUNTY.

Surveyor Fees

COLUSA COUNTY.

Surveyor per year, \$1500

Surveyor allowed actual traveling expenses incurred in the performance of any order of the Court or Board of Supervisors, also for all other fees allowed by law. Board of Supervisors may authorize Surveyor to employ such assistants as may be necessary to perform such work as may be ordered by the Supervisors or prescribed by law and fix compensation of said assistants not to exceed \$3 per day and actual traveling expenses while in the field.

CONTRA COSTA COUNTY.

Surveyor Fees

Allowed all necessary expenses and transportation for work performed in the field in lieu of all fees and per diem heretofore allowed by law.

DEL NORTE COUNTY.

Surveyor Fees

EL DORADO COUNTY.

Surveyor Fees

FRESNO COUNTY.

Surveyor per year, \$2,000

Allowed actual expenses while at work in the field.

GLENN COUNTY.

Surveyor per diem, \$10

HUMBOLDT COUNTY.

Surveyor per year, \$2,000

IMPERIAL COUNTY.

Surveyor per year, \$1500

Allowed actual expenses incurred in the performance of any order of the Court or Board of Supervisors. He is allowed actual expenses to plat, trace or otherwise prepare maps, plats or block book for the use of the Assessor.

INYO COUNTY.

Surveyor Fees

KERN COUNTY.

Surveyor per year, \$1800

Allowed actual and necessary traveling and official expenses and official expenses in the county.

KINGS COUNTY.

Surveyor Fees

LAKE COUNTY.

Surveyor Fees

LASSEN COUNTY.

Surveyor Fees

(Continued Next Week.)

ADVANCE NEWS

Official Proposals, Etc.

Building.

APARTMENT HOUSES.

Contract Awarded.
APARTMENTS Cost, \$75,000
SEATTLE, Wash. No. 232 23rd Avenue North.

Two and four-story brick and mill construction apartments, 103x70. (28 2, 3 and 4 room apts.)

Owner—Mrs. Mary A. Neece.
Architect—E. W. Houghtaling, Lumber Exchange Bldg., Seattle.
Contractor—Noyes & Howe, American Bank Bldg., Seattle, Wash.

Contract Awarded.
THEATRE, ETC. Cost, \$140,000
TUCSON, Ariz.

Two-story reinforced concrete store, theatre and apartment house Bldg.

Owner—Congress Realty Co.
Architects—Wm. Curlett & Son, Merchants' National Bank Bldg., Los Angeles.

Contractor—Edwards & Wildey, 515 Black Bldg., Los Angeles.
This contract is for all work except heating, plumbing, wiring and painting. Total cost of building, \$175,000.

Contract Awarded.
APARTMENTS Cost, \$71,530
SAN FRANCISCO, S Jackson Street E of Powell Street.

All work except plumbing, painting, steam heating, elevator work, light fixtures and hardware for three-story brick apartment house (6 3-room apts.)

Owner—M. and S. Spiro & S. Heiman.
Architect—S. Heiman, 57 Post St., San Francisco.

Contractor—Thos A. Cavanaugh, 180 Jessie St., San Francisco.

Ready for Segregated Figures in a Few Days.

APARTMENTS Cost, \$—
PATTERSON, Stanislaus Co., Cal.

Two-story brick store and apartment building, four stores and 4 4-room apartments.

Owner—J. H. Evans.
Architect—Reed & Corlett, Oakland Bank of Savings Bldg., Oakland.

Plans Being Prepared.
APARTMENTS Cost, \$45,000
SAN FRANCISCO, S Pine 60 W Stockton Streets.

Three-story and basement frame apartment house (24 2 and 3 room apts. 54 rooms).

Owner—Withheld.
Architect—J. C. Hladik, Monadnock Bldg., San Francisco.

NOTE:—Excavation will start within a week.

To Be Done by Days Work! Sub-Figures to be Taken Shortly.
APARTMENTS Cost, \$24,000
SAN FRANCISCO, E Larkin 100 N

Post Street.
Four-story and basement brick apartments, 37½x51½.

Owner—J. S. Gurish.
Architect—J. C. Hladik, Monadnock Bldg., San Francisco.
Excavation to start immediately.

Plans Being Prepared.
ADDITION Cost, \$9,000
FRUITVALE, Alameda Co., Cal.
One-story frame addition to one-story concrete store building for 2 5-room apartments.

Owner—Withheld.
Architect—Edwin J. Symmes, 1700 Pearl St., Alameda.

BANKS.

Plans Being Prepared.
BANK BLDG. Cost, \$25,000
LOTOLA, Humboldt Co., Cal.

One-story reinforced concrete bank building.

Owner—Bank of Lotela.
Architect—Norman R. Coulter, 46 Kearny St., San Francisco.

Architects Ordered to Complete Plans.
BANK, ETC. Cost, \$—
SACRAMENTO, SE Seventh and "K" Streets.

Eighteen-story Class "A" bank, office and club building.

Owner—Fort Sutter and Sacramento Banks (J. M. Henderson Jr., Pres.)
Architects—Weeks & Day, Phelan Bldg., San Francisco.

It is expected plans will be completed in about three months so that construction will start this year.

CHURCHES.

Plans Being Prepared. Ready for Figures in About a Week.

BANK BLDG. Cost, \$25,000
KELSEYVILLE, Lake Co., Cal.

One-story reinforced concrete bank building (branch bank).

Owner—Farmers Bank of Lakeport.
Architect—Norman R. Coulter, 46 Kearny St., San Francisco.

FACTORIES AND WAREHOUSES.

Plans Being Prepared.
ELEVATORS Cost, \$100,000
OAKLAND, Alameda Co., Cal. 14th and Poplar Streets.

Eight reinforced concrete wheat elevators (100,000 bushel capacity)
Owner—Pacific Coast Shredded Wheat Co., Premises.

Architect—J. S. Bogart, Mills Bldg., San Francisco.

MERCED, Merced Co., Cal.—The Carnation Milk Products Company is planning the erection of a milk condensary at Gustine, Merced County, to cost \$250,000. Plans for the work have been started in the engineering offices of the company at Seattle. F. C. Kinzer, Western Division Manager, has left for Seattle to complete details for the proposed structure.

Preliminary Plans Being Prepared.
STORE AND LOFT BUILDING

Cost, \$—
SAN FRANCISCO, S Sutter Street, bet. Powell and Mason Streets.
Two-story and basement Class "C" store and loft building.
Owner—Dunn, Williams & Co.
Architects—Rousseau & Rousseau, 110 Sutter St., San Francisco.
Lessee—E. Curtis, 314 Sutter St., San Francisco.

Plans Being Figured.
ALTERATIONS Cost, \$20,000
SAN FRANCISCO, No. 657 Mission.
Alter six-story reinforced concrete loft building (concrete, carpenter, plumbing and elevator, etc.)

Owner—Owl Drug Co.
Architect—A. R. Denke, 1087 Market St., San Francisco.

Segregated Figures Being Taken.
ALTERATIONS Cost, \$30,000
SAN FRANCISCO, SW Golden Gate Avenue and Octavia Street.

Alter four-story frame building for factory (plumbing, heating, electric work, elevators, plastering, fire escapes, painting, stairs, marble and glass work.)

Owner—Withheld.
Architect—A. H. Knoll, Hearst Bldg., San Francisco.

Eids in and Under Advisement.
ALTERATIONS Cost, \$—
SAN FRANCISCO, No. 46 Kearny St.
Alter 5th floor of building for candy factory.

Owner—Maskey Estate, Premises.
Architect—Norman R. Coulter, 46 Kearny St., San Francisco.

Contract Awarded. Sub-Figures to be Taken Next Week.

WAREHOUSE Cost, \$70,000
EMERYVILLE, Alameda Co., Cal.

One-story brick and concrete warehouse, 200x100.

Owner—Western Canning Co., Emeryville, Cal.

Architect—Not Given.
Contractor—P. J. Walker Co., Monad-

FLATS.

Day's Work. Sub-Figures Being Taken.

FLATS Cost, \$—
SANTA MONICA, On the Ocean Front

Two-story frame and plaster flat building. (12 5-room flats).

Owner—Withheld.
Architect—Fred J. Soper, 1122 Story Bldg., Los Angeles.

GARAGES.

Plans Being Figured.
ADDITION Cost, \$—
SAN FRANCISCO, E Valencia 137 S McCoppin, No. 125 Valencia St.
One-story and mezzanine Class "C" addition to garage.

Owner—Mellanie Langley and Millie L. Wright.

Architect—Arthur S. Hugbee, 316 Sharon Bldg., San Francisco.

Plans to be Prepared.

GARAGE Cost, \$45,000
MODESTO, Stanislaus Co., Cal. "H"
and 12th Streets.

One-story concrete garage, 75x175.

Owner—Claude W. Schackelford, Modesto, Cal.

Architect—Not Yet Selected.

Excavation Started.

REPAIR SHOP Costh, \$9,500
MODESTO, Stanislaus Co., Cal. "H"

Street, bet. 10th and 11th Sts.

One-story brick auto repair shop, 50 by 50.

Owner—D. T. Bunker, 318 Magnolia St., Modesto.

Architect—Not Given.

Work being done under supervision of O. H. Gulkison, Modesto.

Contract Awarded.

GARAGE Cost, \$2026
AUBURN, Placer Co., Cal. County

Hospital Grounds.

One-story brick garage.

Owner—County of Placer.

Architect—J. E. Barieu, County Engineer, Auburn, Cal.

Contractor—L. M. Liscomb, Auburn.

GOVERNMENT WORK & SUPPLIES.

PANAMA CIRCULAR 1303—Office of the General Purchasing Officer, Panama Canal, Washington, D. C.—Sealed bids are wanted until September 20, circular 1303, for furnishing steel, copper, iron or steel pipe, boiler tubes, steel chain, bolts, nuts, nails, rivets, screws, washers, poultry netting, wire cloth, barbed wire, valves, sanitary fixtures, hardware, blocks, cuspids, life preservers, oars, aluminum ware, chinaware, enamelware, glassware, silverware, asphalt shingles, door mats, wax, cement, linseed oil, zinc, stationery supplies, typewriter ribbons, paper napkins and towels, tracing cloth, paper, millwork and lumber. For information address above office.

POST OFFICE REPAIR CONTRACT AWARDED.

The contract for repairs to gutters and screens at the U. S. Post Office Building, San Francisco, Cal., has been awarded to Alfred H. Vogt, 185 Stevenson street, at \$793, the work to be completed in 30 days.

BENICIA, Solano Co., Cal.—The following bids were received August 30th by Colonel O'Horn, Commander at the Benicia Arsenal, for the construction of a two-story reinforced concrete Quartermaster's Commissary building.

Robert Trost, 26th and Howard Sts., San Francisco, submitted the lowest bid at \$19,490.

Robert Trost, S. F. \$19,490

Del Favero & Rasori, S. F. \$21,581

McLeran & Peterson, S. F. \$23,960

Alfred H. Vogt, S. F. \$27,971

* WASHINGTON, D. C.—The Bureau

of Yards and Docks, Navy Department, Washington, D. C., have issued

plans for the proposed electric lighting

and power systems at the Mare

Island Navy Yard, specification 3982,

to the following firms:

John R. Proctor, 74 Courtland St., New York City.

Howard P. Foley Co., Washington, D. C.

Riggs, Distler & Stringer (Inc.), 216 N. Calvert street, Baltimore, Md.

Carroll Electric Co., 712 12th street, Washington, D. C.

Westinghouse Electric and Mfg. Co., Washington, D. C.

General Electric Co., Schenectady, N. Y.

White City Electric Co., Washington, D. C.

Ridgeway Dynamo and Engineering Co., New York City.

Bids for this work will be opened on October 1st under Specification No. 3982. The work is estimated to cost \$25,000. Plans may be obtained from the Public Works Department, Mare Island.

The Bureau has issued plans for the Puget Sound, Washington, reciprocating air compressor as follows:

Nordberg Mfg. Co., Milwaukee, Wis.

Sullivan Machinery Co., 30 Church street, New York City.

Allis-Chalmers Mfg. Co., Washington, D. C.

This work will cost in the neighborhood of \$62,000, and is provided for under Specification No. 3837. While the closing date for opening bids for this project has not yet been set it is thought that it will be in the near future.

SAN FRANCISCO.—The expenditure of \$114,000,000 for the development of the San Francisco bay naval base is proposed in plans submitted by Captain E. L. Beach, Commandant of Mare Island Navy Yard to Secretary of the Navy Daniels. Development of the Mare Island yard would cost \$26,000,000, according to the plans. The Alameda site, across the bay from San Francisco, would cost \$42,000,000, and the Hunters Point site, at the southern end of San Francisco, \$46,000,000, it was estimated.

SEALED PROPOSALS, indorsed "Proposals for Electric Lighting and Power System Structural Shop, Mare Island, Specification No. 3982," will be received at the Bureau of Yards and Docks, Navy Department, Washington, D. C., until 11 o'clock A. M., October 1, 1919, and then and there publicly opened, for furnishing and installing transformers, wires, cables, metal conduits, fittings, fixtures, reflectors, switches, receptacles, panel boards and cabinets, necessary for complete electric lighting and power system for the Structural Shop at the Navy Yard, Mare Island, Calif. may be obtained on application to the Drawings and specification No. 3982 Bureau or to the Commandant, Navy Yard, Mare Island, Calif. Deposit of a check or postal money order for \$10.00, payable to the Chief of the Bureau of Yards and Docks, is required as security for the safe return of the drawings and specification within five days after the award of the contract.

C. W. PARKS, Chief of Bureau.

August 6, 1919.

HALL AND SOCIETY BUILDINGS.

Plans Being Prepared.

LODGE BLDG. Cost, \$100,000
PORTLAND, Ore. SW Park and

Taylor Streets.

Four-story and basement brick and mill construction lodge building, 50x100.

Owner—Knights of Columbus.

Architect—Jas. Jacobberger, Board of Trade Bldg., Portland.

(29878) A to F Q W X 198 to 201-5

POWER PLANTS.

SAN FRANCISCO.—The State Railroad Commission has granted permission to the San Joaquin Light & Power Company, which is building a 30,000 K. W. power plant on the San Joaquin river and carrying on extensive construction work on the Kings River, the entire plan calling for an expenditure of approximately \$4,000,000, to sell bonds to the extent of \$1,250,000.

The construction work for which the bond issue just authorized will meet part of the expense, is now in active operation, and when completed will involve an expenditure of nearly \$50,000,000.

SEATTLE, Wash.—The City Council has appropriated \$4,320,000 with which to finance construction of the power site road, a saw mill on the Skagit and for the preparation of plans to cover the Skagit project.

PUBLIC BUILDINGS.

TURLOCK, Stanislaus Co., Cal.—The City Council has instructed the City Attorney to draw up the necessary papers calling an election to vote bonds of \$20,000 with which to provide funds for the erection of a city hall.

CARSON CITY, Nevada.—The State Board of Capitol Commissioners has adopted specifications prepared by Architect F. J. De Longchamps, Reno, Nevada, for painting the State Capitol and State Library Buildings, and bids have been ordered received. Bids will be asked for painting the two structures separately.

RESIDENCES.

To be Done by Day's Work. Owner to Take Sub-figures.

BUNGALOWS Cost, \$12,000 each
BURLINGAME, San Mateo Co., Cal. Two one-story frame bungalows (5 rooms and garage.)

Owner—John Rutherford, Redwood City, Cal.

Architect—C. C. Dakin, 68 Post St., San Francisco.

Plans Complete. To be Done by Day's Work.

BUNGALOW Cost, \$5,000
INVERNESS, Marin Co., Cal.

One-story frame bungalow and garage

Owner—Balfour Adamson.

Architect—Wm. Knowles, Hearst Bldg., San Francisco.

To be Done by Day's Work

RESIDENCE, ETC. Cost, \$30,000
LOS ANGELES, Windsor Blvd. near

6th St. Windsor Square.

Two-story hollow tile residence and

garage, 10 rooms and 3 bathrooms.
 Owner—Irwin J. Muma.
 Architect—Arthur R. Kelly, 1110 Story Bldg., Los Angeles.

Contract Awarded.
 RESIDENCE. Cost, \$—
 WEST HOLLYWOOD, Los Angeles Co.
 Hillhurst Park.

Two-story and basement hollow tile residence, 12 rooms and 3 bathrooms.

Owner—Stafford W. Bixby.
 Architect—Elmer Grey, 508 Wright & Callender Bldg., Los Angeles.
 Contractor—Willard-Brent Co., 1119 Baker-Detwiler Bldg., Los Angeles.

Plans Being Prepared.
 RESIDENCE. Cost, \$10,000
 CHICO, Butte Co., Cal.
 Two-story and basement frame and stucco residence (8 rooms and 2 bathrooms.)

Owner—Dr. C. W. Currie.
 Architect—Chester Cole, Chico, Cal.

Plans Being Prepared.
 RESIDENCE. Cost, \$15,000
 BERKELEY, Alameda Co., Cal. Los Angeles St., Northbrae.

Two-story and basement frame residence (11 rooms and 2 bathrooms and garage.)

Owner—R. Donnelly.
 Architect—Jas. W. Plachek, 2014 Shattuck Ave., Berkeley.

Plans Being Prepared.
 RESIDENCE. Cost, \$—
 LOS ANGELES, North Vermont Ave. near Los Feliz Road.
 Two-story hollow tile residence, 12 rooms and 3 bathrooms.

Owner—J. W. McFarland.
 Architect—H. H. Whiteley, 428 Story Bldg., Los Angeles.

Plans Being Prepared.
 RESIDENCE. Cost, \$30,000
 LOS ANGELES, NE Wilshire Blvd. and Kingsley Drive.

Two-story hollow tile residence, 10 rooms and 3 bathrooms.
 Owner—Mrs. A. Ramish.
 Architect—H. H. Whiteley, 428 Story Bldg., Los Angeles.

Plans Being Prepared.
 RESIDENCE. Cost, \$—
 LOS ANGELES, Western Ave. near Wilshire Blvd.

Two-story and basement hollow tile residence, 8 rooms.
 Owner—Mr. Johnson.
 Architect—Walker & Elsen, 1402 Hi-bernian Bldg., Los Angeles.

Sub-Figures Being Taken.
 RESIDENCE. Cost, \$—
 LOS ANGELES, Fremont Place.
 Two-story and basement hollow tile and frame residence, 16 rooms and 5 bathrooms.

Owner—W. J. Arkell.
 Architect—A. E. Sedgwick, 1010 Gailand Bldg., Los Angeles.

Contract Awarded on a Percentage Basis.

RESIDENCE. Cost, \$20,000
 LOS ANGELES, Windsor Blvd. Bet. 3rd and 4th Sts.

Two-story and basement frame residence.

Owner—John J. Spangler.

Architect—Elmer Grey, 508 Wright & Callender Bldg., Los Angeles.
 Contractor—Frank Graves & Son, Building Industries Association, Los Angeles.

Contract Awarded.
 BUNGALOWS. Cost, \$3,000 each
 MARTINEZ, Contra Costa Co., Cal.
 Piedmont Tract.

Twenty one-story and basement frame bungalows, 4 and 5 rooms each.

Owner—Shell Oil Co.
 Contractor—E. R. Colvin, Martinez, Calif.

To Be Done by Day's Work.
 RESIDENCE. Cost, \$—
 WOODLAND, Yolo Co., Cal.

Two-story frame residence (10 rooms and 2 separate garages).
 Owner—Alec MacPherson.
 Architect—Wm. Knowles, Hearst Bldg., San Francisco.

TULARE, Tulare Co., Cal.—Because of technical errors in the proceedings which caused the bond buyers to refuse to accept the \$60,000 bonds voted for a municipal auditorium, a mass meeting of citizens authorized the calling of a new election to vote on issuing \$100,000 bonds for a municipal auditorium and city hall, the former amount having been found insufficient for the kind of building desired.

W. C. Perry and G. B. Sturgeon, Newhall Bldg., San Francisco, are the architects.

Plans Being Figured.
 RESIDENCE. Cost, \$15,000
 BERKELEY, Alameda Co., Cal. Los Angeles St., Northbrae.

Two-story and basement frame residence (11 rooms and 2 bathrooms and garage.)

Owner—R. Donley.
 Architect—James W. Plachek, 2014 Shattuck Ave., Berkeley.

Sub-Figures Being Taken.
 RESIDENCE. Cost, \$10,000
 OAKLAND, Alameda Co., Cal. SW Excelsior Ave. and Alma St.

Two-story and basement frame and plaster residence.

Owner—W. S. Zeller, 2619 San Jose Ave., Alameda.
 Architect—Edwin J. Symmes, 1700 Pearl St., Alameda.

Sub-figures are being taken on all parts of the work, except plastering, mill and glazing, which have been awarded. Carpentry work will be done by days labor.

September 5, 1919.

Plans Being Prepared.
 RESIDENCE. Cost, \$6,000
 SAN FRANCISCO, Park-Presidio District.

Frame residence (7 rooms).
 Owner—Withheld.
 Architect—C. O. Clausen, Hearst Bldg. San Francisco.

SAN FRANCISCO.—Contractor Marcus Marcussen, 201 Sansome St., has awarded the following contracts in connection with the construction of a two-story and basement frame and plaster residence in Presidio Terrace for M. H. Salz, San Mateo. Plans were prepared by Architect Lewis P. Ho-

bart, Crocker Bldg.
 Plastering to C. C. Morehouse, 11 Jessie St.; mill work to Pacific Mfg. Co.; electric work to Wedel Electric Company.

SCHOOLS.

Contracts Awarded.

SCHOOL. Cost, \$—
 BERKELEY, Alameda Co., Ca
 Dwight Way opp. Bowditch.
 Three-story and basement brick and terra cotta school building.
 Owner—Berkeley Baptist Divinity School, 2601 Dwight Way, Bkly.
 Architect—Miss Julia Morgan, Merchants' Exchange Bldg., San Francisco.

Concrete work awarded to Thor Cavanaugh, 180 Jessie St., San Francisco.

Brick work and setting of terra cotta to White & Gloor, 110 Jessie St. San Francisco.
 Terra cotta work to Livermore Firebrick, Rialto Bldg., San Francisco.
 Sheet Metal to Yager Sheet Metal Co., 3509 Chestnut St., Oakland.
 Glazing to Cobbleck-Kibbe Glass Co., 301 Washington St., Oakland.

Preliminary Plans Being Prepared.
 SCHOOL BUILDINGS

Cost, \$150,000.
 BISHOP, Inyo Co., Cal.
 Group of High School Buildings.
 Owner—Bishop High School District
 Architect—W. H. Weeks Jr., 75 Post St., San Francisco.

A bond election will be held on October 15th.

Bonds Voted, Bids to be Called Where Bonds are Sold.

SCHOOL. Cost, \$50,000
 DAVIS, Yolo Co., Cal.
 One-story hollow tile and plaster school (5 rooms, kindergarten domestic science and manual training rooms, auditorium with seating capacity of 400).
 Owner—Davis School District.
 Architects—Geo. C. Sellon & Co., 1005 8th St., Sacramento, Cal.

DUNSMUIR, Siskiyou Co., Cal.—Bids will be received by the Trustees of the Dunsuir High School District up to October 1st, 8 P. M., for the erection of the proposed Dunsuir High School Building.

Plans may be had from Mrs. Sue P. Cornish, Clerk of the District or from the Architect, G. E. Teets at Sisson, Cal.

BERKELEY, Cal.—Bids were opened Tuesday (yesterday) for alterations and additions to two schools at Berkeley, Calif., as follows:
 John Muir School, Frame Addition.
 Jas. W. Plachek, Architect.
 Excavating, Concrete, Etc.
 Jepsen Bros. \$10,670

Carpentry, Etc.
 Mathew Morton \$47,777
 Connor & Connor 48,600
 C. D. Vezey 49,985
 Wm. Bruce 53,575

Plastering.
 Wm. Makin \$5,893
 G. Dixon 8,000
 John Thompson 9,640

Painting.
 Jas. Cahill & Co. \$3,100

R. Zelinsky	3,982
D. Zelinsky	5,300
Plumbing.	
F. W. Snook & Co.	\$4,257
J. E. O'Mara	6,749
Geo. Stoddard	7,100
John I. Collins	7,253
Eugene Ehret & Son	7,264
Wm. Picard	7,433
Scott Co.	7,450
Wm. F. Wilson	7,549

Tile Work.	
Scott Co.	\$398
Regney Tile Co.	398
Wm. H. Wallis	635

Electrical Work.	
Kings Electrical Co.	\$1,657
Electrical Constr. Co.	2,000
Capital Electrical Co.	2,295
Berkeley Electrical Co.	2,349
Bradshaw Elec. Co.	2,440
B. C. White	2,920

Heating and Ventilating.	
W. K. Nottingham	\$14,133.00
Scott Co.	14,668.00
J. E. O'Mara	15,500.00
Wm. F. Wilson Co.	16,987.00
Edison School, One-story Brick Addition. W. H. Ratcliff Jr., Architect.	
Excavation, Etc.	

No bidders.	
Carpentry.	
C. Christensen & Son	\$21,864
S. J. Bertelsen	25,828
Walter Sorensen	26,995

Brick Work.	
W. J. Mealey	\$13,940
W. T. Bond	18,000
White & Gloor	18,500

Plastering.	
Geo. Dixon	\$850
Wm. Makin	995

Painting.	
D. Zelinsky & Son	\$1,720
R. B. Frisby	3,307

Plumbing.	
F. W. Snook & Co.	\$4,385
Wm. F. Wilson & Co.	6,959
John I. Collins	7,722
W. H. Picard	7,323
J. E. O'Mara	7,426
Scott Co.	7,612
Geo. Stoddard	7,700

Electrical	
Kings Electrical Co.	\$ 74
Capital Electrical Co.	934
Berkeley Electrical Co.	1,366

Heating	
Scott Co.	\$2,997.00
Wm. F. Wilson Co.	3,209.00
John I. Collins	3,246.00
W. K. Nottingham	3,423.40
J. E. O'Mara	4,100.00

Tile	
Rigney Tile Co.	\$2,297
Scott Co.	3,000

SCHOOL BONDS VOTED.	
MARTINEZ, Contra Costa Co., Cal.	
Bonds of \$12,000 have been voted to finance construction of a new school building for the Pleasant Hill School District.	

Plans Being Figured. Bids Close September 20, 1919, 2 p. m.	
GYMNASIUM. Cost, \$—	
CONCORD, Contra Costa Co., Cal.	
One-story frame and plaster gymnasium.	
Owner—Mt. Diablo Union High School District.	
Architect—Wright & Sala, Bank of Italy Bldg., Stockton.	

Plans Being Prepared.	
SCHOOL. Cost, \$12,000	
MARTINEZ, Contra Costa Co., Cal.	

Pleasant Hill School District.
Frame and plaster school.
Owner—Pleasant Hill School District.
Architect—Norman R. Coulter, 46 Kearny St., San Francisco.
NOTE:—Bonds have been voted. Plans will be ready for figures in about a month.

SAN FRANCISCO—Architect W. D. Shea, 244 Kearny St., has awarded the following contracts in connection with the construction of a two-story reinforced concrete school building at 14th avenue and "I" St. for St. Ann's Parish:

Plastering to J. J. Leonard, 180 Jessie St., for \$6,950.

Electric work to The Standard Electrical Construction Co., for \$1,376.

MODESTO, Stanislaus Co., Cal.—Bonds in the sum of \$350,000 carried at a recent election and will finance construction of school improvements as follows:

Altering and remodeling four of the grammar schools, \$185,000.

Enlarging the present high school buildings and constructing new gymnasium building and equipping same, \$165,000.

C. R. Gailfus is President of the Modesto School Board.

PARADISE, Butte Co., Cal.—The site for the proposed \$20,000 school building to be erected for the Paradise School District has been selected and construction is expected to start in the immediate future.

Bonds to finance construction of the building were voted some time ago.

VISITACION, San Mateo Co., Cal.—An election will be held in the Visitation School District September 23rd, to decide the question of issuing and selling bonds of \$24,000 with which to finance the purchase of a site, erect and equip a new school building. Edward H. Schwerin and Lillian M. Boggess are trustees of the District.

LONG BEACH, Los Angeles Co., Cal.—The Long Beach Board of Education has decided to call an election to vote \$490,000 bonds for building schools. It is planned to purchase additional ground and build a 10-room school at Fifteenth street and Linden avenue, erect 10-room buildings on both the Daisy and Burnett school grounds, add second stories of eight rooms to both the Fremont and Temple schools, probably add another wing to the American Avenue school, and add about 20 rooms, auditorium and gymnasium to the high school. The proposed bond issue will provide \$340,000 for elementary schools and \$150,000 for the high school.

CHICO, Butte Co., Cal.—The City Board of Education has awarded a contract to L. Var Vlack, Chico, at \$15,575, for the installation of sanitary systems in six grammar schools. This contract was formerly awarded to C. C. De Marais, Fire Chief of Chico, but owing to his being connected with a city department it was necessary to rescind the award. The bid of De Marais was \$15,055.

Plans were prepared by Architect Chester Cole of Chico.

FRESNO, Fresno Co., Cal.—Bids received by the Fresno Board of Education, J. R. Fontaine, Secretary, for the heating and ventilating plans for the Emerson, Hawthorne, Lowell, Lincoln and High School buildings, have been rejected as it was deemed impossible to complete the work at this date and as it would interfere with the school term.

CHICO, Butte Co., Cal.—The following estimates have been submitted by Architects Woollett & Lamb, Physicians Bldg., Sacramento, for the proposed Chico High School, bonds for which will be voted in the near future. Purchase of a site, \$35,000.

Furniture, equipment, sidewalks, \$40,000.

Building complete, including gymnasium, auditorium and 37 class rooms, \$350,000, bringing the cost over \$400,000. Preliminary plans are now in the hands of the school board.

Contracts Awarded.

SCHOOL. Cost, \$—
BERKELEY, Alameda Co., Cal.
Dwight Way opp. Bowditch.
Three-story and basement brick and terra cotta school building.
Owner—Berkeley Baptist Divinity School, 2601 Dwight Way, Bkly.
Architect—Miss Julia Morgan, Merchants' Exchange Bldg., San Francisco.

Heating, plumbing and tile work awarded to Scott Co.

Carpenter work to Conner & Conner, 2105 Berkeley Way, Berkeley.

Slate Roofing to Merrill Roofing Co., San Francisco.

Electric work to King Electric Co., Oakland.

Plastering to W. Makin, 565 16th St., Oakland.

Work will be started next week.

RIVERBANK, Yolo Co., Cal.—The \$4,500 bond issue of the Riverbank School District has been purchased by the State Board of Control. The proceeds of the sale will finance the construction of additions to the present school building.

MERCED, Merced Co., Cal.—Bids will be received at the office of W. E. Bedesen, Shaffer Bldg., Merced, up to September 17th, 2 P. M., for furnishing labor and material required for the erection and completion of two new temporary school buildings for the Merced School District of which J. A. Keck is Clerk.

Plans Being Figured. Bids Close Sept. 20, 8 P. M.

SCHOOL. Cost, \$20,000
POTTER VALLEY, Mendocino Co., Cal. Potter Valley near Ukiah.
One-story reinforced concrete school. (5 rooms and auditorium).

Owner—Potter Valley-School District Architect—Norman R. Coulter, 46 Kearny St., San Francisco.

A deposit of \$10 will be required for plans taken away from Architect's office.

Low Bidder. Cost, \$—

STOCKTON, San Joaquin Co., Cal., Calla School District.

School.
Owner—Calla School District.

Architects—Wright & Salla, Bank of Italy Bldg., Stockton.
Contractor—Van Fil, Ripon, Cal.
Proposition (A) \$17,300; (B) \$500; (C) \$1250.
Bids were taken under advisement.

(By Special Wire.)

MERCED, Cal.—The following contracts were awarded September 2nd by the Merced Union High School Board for the construction of three brick and concrete high school buildings. Plans were prepared by Architects Allison & Allison, Hibernian Bldg., Los Angeles.

Contract No. 1.—For the excavating, concrete, masonry, terra cotta work and all carpentry work. Bid No. 1 with Alternate Bids A and B.

E. E. Etherton, Monadnock Bldg., San Francisco, \$90,788.

No. 2.—For sheet metal work, etc. Bid No. 1 with Alternate Bid A.

R. Bancroft & Son, Merced, \$1,135.

No. 3.—For tile roofing, etc., Bid No. 1 with Alternate Bid A.

C. L. Passmore, Los Angeles, \$9,255.

No. 4.—For composition roofing.

Bid No. 1 with Alternate Bid A.

Fiberstone & Roofing Co., San Francisco, \$435.

No. 5.—For plastering. Bid No. 1 with Alternate Bid A.

J. Greenback, San Francisco, \$9,180.

No. 8.—For painting. Bid No. 1 with Alternate Bids A and D.

E. E. Etherton & Co., San Francisco, \$4,248.

No. 8.—For electric work, etc. Bid No. 1 with Alternate Bid A.

Golden State Elec. Co., Los Angeles, \$5,750.

No. 9.—For plumbing, gas fitting and sewerage, etc. Bid No. 1 with Alternate Bid A.

Hately & Hately, Mitau Bldg., Sacramento, \$8,785.

No. 11.—For hardware. Bid No. 1 with Alternate Bid A.

Contract held up waiting for samples.

No. 12.—For heating and ventilation. Bid No. 1 with Alternate Bid A.

Hately & Hately, Sacramento, \$7,435.

STORES AND OFFICES.

Plans to be Prepared.

STORES, ETC. Cost, \$30,000

MODESTO, Stanislaus Co., Cal. Tenth

Street bet. K and L Streets.

Two or three-story brick stores and

offices, 50x140.

Owner—C. C. Parks.

Architect—Not Yet Selected.

NOTE.—Erection of building depends upon satisfactory lease.

Completing Plans. Segregated Figures to be Taken Shortly.

STORES, ETC. Cost, \$30,000

SAN FRANCISCO, N. Bush W. Taylor.

One-story brick "C" building, 82-6x

137-6-5 stores and machine shop.)

Owner—Withheld.

Architect—M. L. Schwartz, Nevada

Bank Bldg., San Francisco.

Eureka Teaming & Grading Co. to

be awarded grading contract.

Plans Being Figured.

ALTERATIONS Cost, \$—

SAN FRANCISCO, NE Kearny and

Market Streets (Chronicle Bldg.).

Alter first floor and build mezzanine

floor for offices.

Owner—M. H. de Young,

Architect—Supt. of Chronicle Bldg.,
204 Chronicle Bldg., San Francisco.

Contract Awarded.

STORE Cost, \$—

RICHMOND, Contra Costa Co., Cal.

Macdonald Avenue.

One-story and basement reinforced

concrete store.

Owner—W. H. Alfs.

Architect—W. H. Crim, 425 Kearny

St., San Francisco.

Contractor—Elmer Petersen, 4059 17th

St., San Francisco.

Plans Being Prepared.

POST OFFICE BLDG. Cost, \$12,000

SAN FRANCISCO, NW Haight and

Masonic Avenue (L lot).

One-story brick post office building

with frame L.

Owner—Goldberg-Bowen Co.

Architect—S. Helman, 57 Post St.,

San Francisco.

Figures Being Taken.

ALTERATIONS Cost, \$25,000

SAN JOSE, Santa Clara Co., Cal.

Extensive alterations to store,

Owner—Reich & Lievre, 119 S-First

St., San Jose.

Architect—Joseph Cahen, 333 Kearny

St., San Francisco.

Figures will be taken by the owners

at their San Francisco store, No. 125

Geary Street.

Contract Awarded.

ADDITION Cost, \$7,198.

SAN FRANCISCO, N Geary E of

Grant Avenue.

Heating for six-story Class "C" ad-

dition to Livingston Bldg.

Owner—Imperial Realty Co.

Architect—G. Albert Lansburgh, 709

Mission San Francisco.

Contractor—J. E. O'Mara, 445 Minna

St., San Francisco.

Barrett & Hulp, Sharon Bldg., are

the General Contractors.

THEATRES.

Plans Being Figured.

THEATRE Cost, \$—

ANAHEIM, Orange Co., Cal.

Brick motion picture theatre, 75x100.

900 seats.

Owner—Hugo Strodhof.

Architect—E. J. Borgmeyer, 317

Stimson Bldg., Los Angeles.

Plans to be Prepared.

THEATRE Cost, \$50,000

MARYSVILLE, Yuba Co., Cal. D St.

Fireproof theatre (seating capacity of

1200).

Owner—W. H. McAlpine and Mrs. F.

H. Hudson, manager and owner of

Oregon Theatre, Marysville, Cal.

Architect—Not yet selected.

Contract Awarded.

THEATRE Cost, \$60,000

VALLEJO, Solano Co., Cal.

One-story steel frame and hollow tile

theatre building.

Owner—Bell Amusement Co.

Architect—Bernard J. Joseph, Call

Bldg., San Francisco.

Steel awarded to Golden Gate Iron

Works.


Concrete Work to Goodman Artifi-

cial Stone Co., 62 Post Street, San

Francisco.

Brick work to H. Drake, 180 Jessie

St., San Francisco.



Pacific PIPE

SAVES YOU MONEY

New and re-newed screw casing and standard pipe for every requirement; tested and guaranteed for 150 pounds working pressure; dipped in hot asphaltum to prevent corrosion. Extensively used by orchardists and farmers, water-works, mines, etc.

Pacific Screw Casing is seamless steel pipe, light weight, fine thread. Saves you from one-half to two-thirds in cost; freight is half as much as on standard pipe.

Fittings and valves for every purpose; special fittings made to order. Tell us today what your requirements are; let us save you money.

PACIFIC PIPE CO.,
232 Main Street San Francisco

Engineering.

BRIDGES, DAMS AND HARBOR WORK.

BRIDGE BIDS OPENED.

HANFORD, Kings Co., Cal.—The following bids were received by the County Supervisors for the construction of the proposed bridge across the Kings River south of Kingsburg:

W. A. Kettlwell & Son, Kingsburg—Class A and Class B cement, in place, \$32 per cubic yard; steel in place, 8 cents per pound for A, B, C and D grades; expansion plates, \$20 each; cedar piling in place, \$1.25 per lineal foot.

Frederickson & Shannon, Fresno—Cement in place, Class A, \$23.57 per cubic yard, Class B, \$19.52; steel in place, grade A, \$.07, B and C grades, \$.068 per pound, D grade, \$.065; expansion plates, \$20; cedar piling, \$.95 per lineal foot.

Antone Johnson, Kingsburg—Cement in place, Class A and B, \$24.98 per cubic yard; steel, grades A and B, \$.06 2-3; grade C, \$.065; grade D, \$.072 per pound; expansion plates, \$190; cedar piling, 95 cents per lineal foot.

Cotton McCauley, San Francisco—Cement in place, Class A, \$26; class B \$32; steel, grades A, B, and D, \$.055 per pound; expansion plates, \$500; cedar piling, \$.95.

SAN JOSE, Santa Clara Co., Cal.—Bids will be received by Henry A. Pfister, County Clerk, up to October 6th, 11 A. M., for the construction of a reinforced concrete bridge on Edmondson avenue, over the Llagas creek, in Supervisor District No. 1.

LOS ANGELES, Cal.—Five bids were received at the U. S. District Engineer's office on August 29, for con-

structing silt diversion works near Long Beach and Los Angeles harbors, in accordance with revised specifications. On the face of these bids the United Dredging Co., 325 Central Bldg., Los Angeles, submitted the lowest proposal at approximately \$806,750 for the work complete, and The Foundation Co. of New York, the next lowest bid at approximately \$842,900. Before the bids were opened Col. Downing, District Engineer, announced that any bids received by mail which had been posted in time to reach the office before the hour set for opening bids, would be considered. He stated he had received notice of one such bid from Willitt & Burr of San Francisco. Until this bid is received the low bid will not be definitely known.

Bids were taken on revised specifications and quantities scaled down to bring the work within the appropriation of \$1,080,000. The revised quantities are as follows: Div. A, 100,000 cu. yds. earth to be furnished and placed in trestle and levee; 20,000 tons stone revetment; Div. B, 750,000 cu. yds. excavation and earth in levees; 75,000 tons stone revetment; Div. C, 1,300,000 cu. yds. excavation, 25,000 tons stone revetment and 5,000 tons stone in jetties. Bids were called for on each division separate, on combinations, and for the entire work, stone to be furnished exclusive of freight. The bids follow:

United Dredging Co., Los Angeles.—A, B and C together, no bid; Div. A, earth work 70c cu. yd., stone revetment \$2.09 per ton; Div. B, excavation in levee 27c cu. yd., stone revetment, \$2.09 per ton; Div. C, excavation 21c cu. yd., stone revetment and jetties, \$2.09 per ton. Stone from Declez quarry. An alternative bid was submitted for stone revetment under the original specifications as follows: Div. A, \$1.95 per ton for first 20,000 tons, \$1.75 for additional 5,000 tons, and \$1.60 for additional 5,000 tons; Div. B, \$1.95 for first 15,000 tons, \$1.75 for additional 25,000 tons, \$1.60 for additional 50,000 tons; Div. C, \$1.95 for first 25,000 tons, \$1.75 for additional 5,000 tons, and \$1.60 for additional 10,000 tons.

The Foundation Co., New York and San Francisco.—Divs. A and B together: Div. A, 80c cu. yd., \$1.82 ton; Div. B, 31c cu. yd., \$1.82 ton. Divs. A, B and C together: Div. A, 80c cu. yd., \$1.82 ton; Div. C, 31c cu. yd., \$1.82 ton; Div. C, 23c cu. yd., \$1.85 ton. Stone from Temescal quarry at Corona.

R. C. Storrie & Co., San Francisco. Divs. A, B and C together: Div. A, 75c cu. yd., \$2.15 ton; Div. B, 34c cu. yd., \$2.15 ton; Div. C, 35c cu. yd., \$2.65 ton. Stone from quarries at Corona or Riverside.

L. A. Dredging Co., Los Angeles.—Div. C alone: 21.9c cu. yd., \$2 ton. Stone from Temescal quarry at Corona.

San Francisco Bridge Co., San Francisco.—Div. C alone: 32c cu. yd., \$2.15 ton. Quarry not designated.

EXCAVATORS—Department of the Interior, United States Reclamation Service, Denver, Colo., August 18, 1919.—Sealed proposals for furnishing dragline excavators will be received by the United States Reclamation Service, Denver, Colo., until 2 o'clock p. m. September 18, 1919, and will at that hour be opened. For further par-

ticulars address the United States Reclamation Service, Denver, Colo. F. E. WEYMOUTH, Chief of Construction.

EUREKA, Humboldt Co., Cal.—Bids will be received up to September 10th, 2 p. m., by the County Supervisors for the construction of a wooden truss bridge across Camp Creek near Orleans, in Road District No. 5.

Plans may be had from Fred M. Kay, County Clerk.

SAN JOSE, Santa Clara Co., Cal.—The Supervisors have instructed the County Engineer to prepare plans and specifications for four bridges on the Price Road and one on the Regnart Road. Henry A. Pfister is County Clerk.

SAN JOSE, Santa Clara Co., Cal.—Following bids were received by the County Supervisors for bridge improvements:

Reinforced concrete bridge on Sladky road over Permanente creek in Supervisor District No. 5. Surveyor's estimate, \$1535.

J. H. Miller.....	\$1,450.00
Herschback & Sciarrino.....	1,544.07
Wm. Martin.....	1,489.00

Awarded to J. H. Miller at \$1,450.

Reinforced concrete bridge on Alum Rock avenue over Pescuezo creek in Supervisor District No. 3. Surveyor's estimate, \$11,795.

J. H. Miller.....	\$10,993.00
John Doyle.....	13,742.00
Bos & O'Brien.....	14,487.00
Herschback & Sciarrino.....	12,382.90
Wm. Martin.....	11,420.00

Awarded to J. H. Miller at \$10,993. Reinforced concrete culverts and shaping of the Bodfish Mill road in Supervisor District No. 1. Surveyor's estimate, \$20,645.

Frank Bryan.....	\$18,989
E. Nommensen.....	21,600

Awarded to Frank Bryan at \$18,989

BRIDGE BIDS ORDERED.

PETALUMA, Sonoma Co., Cal.—A call for bids is being prepared by the City Clerk providing for the construction of a reinforced concrete bridge over Thompson Creek on Fourth street between F and G streets.

GLENDALE, Los Angeles Co., Cal.—Surveyors are marking out the channel of Verdugo Wash in the northern part of Glendale preparatory to starting the flood control work there. The wash will be walled on either side with 2-in. iron piles between Louise street and Canada Blvd., and with wooden piles between Louise street and San Fernando Road. There are \$38,000 available for this work. A combined highway and railroad bridge to cost \$70,000 will replace the present wooden trestle over the wash. The Pacific Electric Co. will pay for its portion of the bridge.

SAN FRANCISCO—The State Board of Harbor Commissioners, Ferry Bldg., on recommendation of Chief Engineer White, has awarded the following informal contracts:

To Golden State Miners Iron Works at \$598 for construction of a bucket to be used in connection with Dredger No. 3.

To Fay Improvement Co., Phelan Bldg., for curbing, paving, etc., at the

foot of Leavenworth street at \$1,811.23.

YUBA CITY, Sutter Co., Cal.—Erle L. Cope, Engineer, 1st National Bank Bldg., San Francisco, has been instructed by the County Supervisors to consult the War Department regarding the proposed Grimes bridge, which it is planned to start construction on in the near future.

Engineer Cope is superintending the construction of bridges planned by the Sutter County Supervisors.

YUBA CITY, Sutter Co., Cal.—The Supervisors have awarded contracts to F. A. Holdener, 2310 J Street, Sacramento, for the construction of a concrete bridge across Croon Creek, about 1½ miles east of Trowbridge at \$7,529, and for the construction of a concrete bridge across Markham slough, about 3 miles southeast of Trowbridge at \$3,409.

Plans for the structures were prepared by Engineer Erle L. Cope, 1st National Bank Bldg., San Francisco.

YUBA CITY, Sutter Co., Cal.—Bids received from F. A. Holden, 2310 "J" street, Sacramento, for the construction of a concrete bridge across Ping Slough, about 1 mile north of Nicolaus at \$3804 and for a concrete bridge on the road between Nicolaus and East Nicolaus at \$3,720 have been rejected by the County Supervisors as being too high.

Plans for the structures were prepared by Engineer Erle L. Cope, 1st National Bank Bldg., San Francisco. Albert B. Brown is County Clerk.

RED BLUFF, Tehama Co., Cal.—Bids will be received by the County Supervisors, H. G. Kuhn, County Clerk, up to October 2nd, 10 A. M., for the construction of a reinforced concrete bridge over Eliza creek and a reinforced concrete bridge over Brush creek, in Supervisor District No. 2.

Certified check of 10%, payable to Chairman of the Board of Supervisors, must accompany each bid.

Bridge Plans Being Completed.

AUBURN, Placer Co., Cal.—Jerome Barleau, County Engineer, is completing plans and bids will be called shortly for the construction of the third bridge to form a part of the Grass Valley-Auburn Highway across Rock Creek.

MERCED, Merced Co., Cal.—The Supervisors have awarded a contract to Ernest Green, Modesto, for the construction of a concrete bridge 1,400 feet in length, over the Merced River on the Hillmar-Irwin-Stevinson road, immediately north of the Livingston-Milliken road, on his bid of \$112,600. The structure will have 31 spans with reinforced concrete piling.

MONTEREY, Monterey Co., Cal.—The City Trustees have selected Engineer F. H. Tibblitts, Alaska Commercial Bldg., San Francisco, to make a preliminary survey for the proposed harbor improvements. It is planned to finance the improvements through a bond issue of about \$350,000.

TO RE-FLOOR COUNTY BRIDGES.

STOCTON, San Joaquin Co., Cal.—The County Supervisors are planning the re-flooring of county bridges. The lumber used in the work will cost about \$10 per foot, bringing the total expenditure to about \$20,000.

IRRIGATION PROJECTS.

HAYFORK, Trinity Co., Cal.—John B. Enos, John Rourke and R. W. Cuff have been appointed a committee to raise \$1,000 with which to finance a survey of the proposed Hayfork Irrigation District.

It is planned to engage an engineer to prepare costs, etc., which will be submitted prior to calling a bond issue to finance construction of the proposed district.

KLAMATH FALLS, Ore.—F. Hill Hunter, engineer for the Sawmill Engineering and Construction Co., has submitted an offer to the Klamath Irrigation District Board of Directors, offering to lay out the proposed system and take bonds of the district for his services.

In general outline Hunter proposes to survey the lands embraced in the district, map out a plan of reclamation, irrigation and drainage and prepare specifications on which the district may proceed to operate and ask for bids. If he is then the successful bidder, he will accept the bonds of the district at 90 cents and proceed with the work.

PORTERVILLE, Tulare Co., Cal.—Stockholders of the Tule Independent Ditch Co. have decided to reorganize the company and build a new irrigating system with storage reservoirs in the foothills east of Success Valley. It is estimated the project will cost approximately \$300,000. A committee consisting of Hobart Webster, E. H. Fisher and Robt. Horbach, has been appointed to report on finances and legal aspects of the project at a meeting on September 18.

OXNARD, Ventura Co., Cal.—The Oxnard drainage district has voted \$200,000 bonds to construct about 20 miles of drainage ditches. Olmsted & Gillette, Hollingsworth Bldg., Los Angeles, are the engineers. It is probable the work will be done by force account as the exact amount of excavating cannot be determined in advance. Work will not be started for about a month.

PLAN ORNAMENTAL LIGHTING SYSTEM.

VISALIA, Tulare Co., Cal.—A movement to construct a uniform system of electroliers in the business district of Visalia has been inaugurated by the Commercial Club. Samples of modern electroliers and prices will be secured by a committee of the Board of Trade consisting of Secretary J. D. Allen, L. W. Chaffee and City Engineer Gadsby.

SEATTLE, Wash.—Bids will be received by the City Council up to September 27th for the purchase of \$1,250,000 worth of municipal light and power utility bonds

MACHINERY.

SAN JOSE, Santa Clara Co., Cal.—There being no bids received for the purchase of two steam road rollers (Kelly-Springfield) the Supervisors have ordered new bids received up to September 15th, 10 A. M. Henry A. Pfister is County Clerk.

FRESNO, Fresno Co., Cal.—Bids are being received by J. R. Fontaine, Secretary of the Board of Education for furnishing and delivering one Ford (second hand) motor truck.

SEWERS, STREET WORK, ROADS AND WATER SYSTEMS.

LOS ANGELES, Los Angeles Co., Cal.—White & Gaskill, Long Beach, were awarded the contract at \$218,000 for constructing an oil macadam road with disintegrated granite base on Sierra Madre road, Hovey Ave., A St., and Reed road in Road Improvement District No. 149. The road to be improved extends from Lancaster to Redman in Antelope Valley and is 14.19 miles in length. The county will furnish rock only to the value of \$50,000.

SACRAMENTO, Cal.—The Clark & Henery Construction Co., Ochsner Bldg., Sacramento, has been awarded a contract by the City Council, M. J. Desmond, City Clerk, for the improvement of 31st street, from Sacramento Blvd., to 4th Avenue, by the construction of concrete curbs and gutters, 6 ft. sidewalks 3½ inches thick; 7 cast iron gutter drains with 6 inch vitrified ironstone sewer pipe elbows, connecting same with 6 inch vitrified ironstone sewer pipe; constructing 8 linear feet of sewer pipe; grading and laying a pavement consisting of hydraulic concrete foundation and a bitulithic wearing surface 1½ inches thick.

SAN JOSE, Santa Clara Co., Cal.—Henry A. Pfister, County Clerk, will receive bids up to October 6th, 11 A. M., for the improvement of Bascom avenue in Supervisor District No. 4.

SACRAMENTO, Cal.—Bids will be received by the California Commission, 515 Forum Bldg., Sacramento, until 2 o'clock P. M., September 29, 1919, for the construction of the following highway bridges:

Humboldt County, between Garberville and Miranda (I-Hum-1-B), reinforced concrete bridges at Station 94 and Dean Creek.

Plans may be seen and forms of proposals, bonds, contract, and specifications may be obtained at the said office, and they may be seen at the office of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineers' offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno, and Los Angeles.

NEWPORT BEACH, Orange Co., Cal.—The city council has adopted a notice of intention for the construction of a cement pipe sewer sys-

tem, reinforced concrete septic tank with building, reinforced concrete pumping station with motors and pumps and sludge bed. Notice of publication has been completed and bids will probably be taken during September. The work will be done under the Vrooman act.

TACOMA, Wash.—Specifications for 95 miles of roads to be constructed in Pierce county, from funds provided by the special bond levy of \$2,500,000, have been completed by County Engineer Ernest White and a call for bids will be issued in the near future. The specifications will call for concrete, bitulithic or asphaltic concrete. The plan is to give all of the work to one contractor and the bids, on which contractors are already working, will be made for the entire 95 miles of 21 separate roads.

VENICE, Los Angeles Co., Cal.—Until 8:30 p. m., September 15, bids will be received by the city of Venice for the improvement of Virginia Ave., involving 14,364 sq. ft. 5-in. concrete paving, 8,540 lin. ft. curb, 10,488 cu. yds. fill, 4,543 sq. ft. cement sidewalk and 162,000 sq. ft. oil surface; also for improvement of Strong's Drive, involving 6,300 cu. yds. fill, 6,540 lin. ft. curb and 98,100 sq. ft. oil surface. Plans and specifications may be obtained from W. F. Crawford, City Engineer and Street Superintendent.

FRESNO, Fresno Co., Cal.—The County Supervisors have made application to the U. S. Bureau of Good Roads for \$150,000 Federal aid for construction and repair of forest roads in Fresno County, estimated to cost \$300,000, as follows: Trimmer Springs road, \$30,000; Toll House road, \$30,000; Sand Creek road, \$60,000; Millwood and Sand Creek cut-off, \$30,000; Auberry-Huntington Lake road, \$100,000. The work contemplated on these roads includes grading, graveling, oiling and drainage.

REDWOOD CITY, San Mateo Co., Cal.—City Clerk Price has been instructed by the Board of Trustees to call bids for the improvement of Webster street between Washington and Main streets, which will include the construction of curbs and sidewalks. C. L. Dimmitt is City Engineer.

SACRAMENTO, Calif.—The City Commissioners, M. J. Desmond City Clerk, have awarded contracts for street improvements to the McGillivray Construction Co. as follows:

Improvement of the alley between L and M streets, from the east line of 20th street to the west line of 21st street, by the construction of two concrete catchbasins with C. I. curbs and covers and connecting same to sewer with vitrified ironstone sewer pipe, by grading and constructing an asphaltic macadam foundation 3½ inches thick with a bitulithic wearing surface 1½ inches thick.

For the improvement of Sacramento to Boulevard from the south line of Fourth to the south line of Eighth avenue by the construction of concrete curbs and gutters, placing 17 C. I. gutter drains with 6-inch vitrified

ironstone sewer pipe elbows attached connecting same to sewer, constructing concrete protective covering over 6-inch vitrified ironstone sewer pipe, 3 concrete manholes with C. I. curbs and covers, 8-inch vitrified ironstone pipe drains, by grading and constructing a hydraulic concrete pavement 4 inches thick with a bitulithic wearing surface 1½ inches thick.

PETALUMA, Sonoma Co., Cal.—The Petaluma City Council has passed an ordinance (No. 184) providing for the issuance of \$80,000 in bonds with which to finance the improvement of Main and Third streets.
Lyman Green is City Clerk.

TURLOCK, Stanislaus Co., Cal.—The City Attorney has been instructed to prepare the necessary papers calling an election to vote bonds of \$60,000 with which to finance construction of extensions to the present sewer system.

OAKLAND, Cal.—The City Council, L. W. Cummings, City Clerk, has passed Resolution of Intention No. 18919 N. S., providing for the improvement of Blossom Street, from the northwest line of Fruitvale Avenue to a point 530 feet northwesterly from the northwestern line of Fruitvale Avenue, by grading; construction of redwood curbs and concrete gutters and paving with an oil-macadam pavement; construction of brick manhole with cast iron inlet top and a vitrified pipe conduit 10 inches in diameter.

OLYMPIA, Wash.—The following contracts have been awarded by the Washington State Highway Commission:

Pacific Highway—From Castle Rock north 6.7 miles, in Cowlitz County, clearing, grading and graveling and concrete bridge:
Henry & McFee, Seattle\$241,317.66

Inland Empire Highway—Between Colfax and Ferry, 21.9 miles, grading, draining and surfacing with crushed rock:
Chris Pedt of Colfax.....\$275,759.87

Central Washington Highway—Between Tyler and Cheney, 7.8 miles in Spokane County, clearing and crushed rock surfacing:
Gen'l Constr. Co., Spokane.....\$82,505.44

Pacific Highway—Between Blanchard and Allen in Skagit County, clearing and grading 5.5 miles:
Christ Knutsen and A. Suther of Burlington\$44,149.66

Pacific Highway—Same as above, concrete bridge:
Norris Bros. of Arlington.....\$25,980.00

Pacific Highway—Between Marysville and Silvana in Snohomish County, clearing and grading 1.9 miles:
E. J. McQuaid of Seattle.....\$15,182.00

North Bank Highway—West from Camas in Clarke County, 4 miles, grading and paving with concrete:
Pac. Bridge Co., Portland.....\$142,873.91

North Bank Highway—Steel bridge, 190 feet long, over White Salmon River on North Bank Highway between Underwood and Blingen:
Illinois Steel Bridge Co., of Spokane\$35,960.00

SEATTLE, Wash.—The City Council has passed a bill providing \$64,000 for the improvement of Westlake avenue No., from Valley street to Fourth avenue No., adjacent to the approach to the Fremont avenue bridge, by paving of an additional roadway.

PORTLAND, Ore.—The low bid for the construction of the Hospital Road No. 938, to extend from Terwilliger to the site of the new county hospital, was submitted to the County Commissioners by the Western Construction Co. at \$31,620.10 and \$31,681.10, for grading and construction of culverts with corrugated iron pipe and the other for grading and construction of culverts with concrete pipe.

PROSSER, Wash.—The City Council has passed a resolution of intention providing for the improvement of Bennet avenue, etc., the estimated cost of which is \$106,339.84 if constructed of concrete and \$114,523 if constructed of bitulithic.
B. F. Rupert is City Clerk.

MODESTO, Stanislaus Co., Cal.—The City Council has decided to call an election to vote bonds to provide funds for an aviation field and fair grounds, street intersections, storm sewers and an electroliner system. Rough estimates indicate that the issue will reach \$200,000.

City Engineer Freitas estimates the construction of storm sewers at \$70,000. The street work will cost about \$60,000.

HANFORD, Kings Co., Cal.—The Supervisors have rejected five bids received for furnishing 1200 barrels of cement to be used in connection with the proposed bridge across Kings River south of Kingsburg. The bids were identical—\$3.52 per barrel.

It is understood the cement will be obtained through the County Purchasing Agent.

OAKLAND, Cal.—The City Council has passed a resolution of intention providing for the improvement of Octavia street between Penniman avenue and Allendale avenue, by grading, construction of redwood curbs, concrete gutters and the laying of an oil macadam and the construction of cement sidewalks, six feet wide.
L. W. Cummings is City Clerk.

SAN ANSELMO, Marin Co., Cal.—The Town Trustees have rescinded proceedings providing for the improvement of the county road, under Resolution of Intention No. 27.

YUBA CITY, Sutter Co., Cal.—By a vote of 26 to 1 the County Highway bond issue providing \$810,000 for the construction of modern county highways carried.

TURLOCK, Stanislaus Co., Cal.—The City Trustees have passed a resolution of intention providing for the improvement of Crane, Minaret and East Avenues. The paving of the alley between Broadway and First St., on the north side of Main street, and the branch alley leading off same to Olive street are also included in the work.

SPOKANE, Wash.—Petitions asking the construction of about five and one-half miles of sub-trunk and lateral sewers are on file in the office of City Engineer Butler and will be taken up with the City Council within the next few days.

SAN DIEGO, Cal.—Fairchild-Gilmore-Wilton Co., 610 S. Main St., Los Angeles, was awarded the contract at \$96,387 for paving portions of Morena Blvd., the unit prices being 25c sq. ft. for concrete paving with bitulithic surface, 50c sq. yd. for excavation and embankment and \$6,000 for culverts complete. Henry Fenton submitted the only other bid at \$97,387.45.

SANTA BARBARA, Cal.—Fairchild-Gilmore-Wilton Co., of Los Angeles, was awarded the contract at \$22,485.61 for paving Figueroa and other streets. James P. Donahue of Santa Barbara, submitted the only other bid at \$22,485.61. Engineer's estimate, \$22,462.63. Following are the unit prices bid by Fairchild-Gilmore-Wilton Co.: 71,265.18 sq. ft. 4-in. concrete paving with 1½-in. Warrenite surface, 22.4c sq. ft.; 2,192 lin. ft. combined cement curb and gutter, \$1.35 ft.; 152 lin. ft. cement curb, 50c ft.; 4,031 sq. ft. cement gutter, 24c sq. ft.; 6-in. sewer connection, \$50; main sewer in Anapamu street, \$365; two manholes, \$50 each. A. B. Cook, city engineer.

SACRAMENTO, Cal.—The following bids were received September 2nd by the California Highway Commission for highway improvement in three counties:

Humboldt County, between Beatrice and Eureka (J-H-11-G) about 7.9 miles in length to be paved with Portland cement concrete.
Mercer-Frazer Co., Eureka.....\$150,476
Engineer's Estimate, \$94,754.30.

SAN JOSE, Santa Clara Co., Cal.—Bos & O'Brien, Hearst Bldg., San Francisco, have been awarded a contract by the County Supervisors for the improvement of a portion of the King Road in Supervisor District No. 2 at \$12,970. Other bidders were:
John F. Adams.....\$12,987.50
C. H. Ellison.....13,240.00
Surveyor's estimate, \$13,330.

SAN JOSE, Santa Clara Co., Cal.—The County Supervisors have agreed to the sub-letting of a contract held by Chas. J. Lindgren of Burlingame, to Bos & O'Brien, Hearst Bldg., San Francisco, for the improvement of the King road. Lindgren was awarded the contract on August 4th. Henry A. Pfister is County Clerk.

LOMPOC, Santa Barbara Co., Cal.—Immediate steps will be taken to call an election in the fourth supervisorial district to vote on issuing \$400,000 bonds to improve the road from Lompoc to Lompoc Junction at the ocean, 28 miles. The county will contribute \$100,000. The entire amount will not be sufficient to pave all the road but the supervisors have agreed to surface with shale the portion which cannot be paved and construct all bridges over 20 feet in length.

SAN JOSE, Santa Clara Co., Cal.—The Supervisors have rejected bids received for the improvement of Fleming avenue in Supervisor District No. 3. The following bids were received:

W. I. McReynolds.....\$827
John F. Adams.....900
J. W. McClay.....995

Surveyor's estimate, \$460.

The County Surveyor was instructed to proceed with the work.

The Supervisors have also rejected all bids received for the re-surfacing of Story Road, Senter, Tully, King and Aborn roads and the County Surveyor instructed to proceed with the work.

SAN FRANCISCO—The following bids were received by the U. S. Department of Agriculture, Bureau of Public Roads, District No. 2, Mills Building, for the construction of a road in Fresno County, Sierra National Forest, below dam No. 3:

W. H. London—For units one to thirty-eight, \$58,345.70; for latter three units, \$46,505. Total amount bid for other items preceding proposal, \$11,041.20. Total amount of alternate proposal, \$57,546.

J. Soukas—For units one to thirty-eight, \$57,802.10; for latter three units, \$39,925.65. Total amount for other items preceding proposal, \$15,107.70. Total amount of alternate proposal, \$54,936.35.

W. J. Schmidt, Berkeley—For units one to thirty-eight, \$65,581.80; for latter three units, \$45,914.65. Total amount of bid for other items in preceding proposal, \$19,220.00. Total amount of alternate proposal, \$65,134.65.

Isbell Construction Co., Fresno—(No bid on units 1, 2 and 3). For units five to thirty-eight, \$10,077.50. Total amount for latter three items, \$32,775.50. Total amount bid for other items of preceding proposal, \$10,077.50. Total amount of alternate proposal, \$42,853.00.

CARSON CITY, Nevada—Niedt & Gavin, Reno, Nevada, submitted the only bid to the Nevada State Highway Commission for constructing a portion of the State Highway system in Washoe County, between Washoe Summit and Huffaker's, and were awarded the contract at \$33,110. The engineer's estimate was \$23,368.60.

The contract covers grading only with drainage structures.

C. C. Cottrell is State Highway Engineer.

MARTINEZ, Contra Costa Co., Cal.—Bids will be received by the County Supervisors, J. H. Wells, County Clerk., up to September 15th, 11 a. m., for the building of Section No. 1 of Division No. 15 of the County Highway System, which is a portion of each of Roads No. 15 and 16 of the survey of the San Pablo Rancho, and is that part of Road No. 15 (now known as 13th street), beginning at the north incorporate line of the city of Richmond, and running north to Road No. 18, and all of Road No. 16 (now known as Market street), from the Southern Pacific right of way easterly to the State Highway at San Pablo, a total distance of 9175 feet.

Bids will also be opened at the

same time for the building of Section No. 1 of Division No. 23 of the County Highway, which said section is known as Valley street in the town of Crockett, extending from the pavement on the State Highway on Ramona street easterly to Loring avenue, a distance of 1271 feet.

SEATTLE, Wash.—Assistant City Engineer Tiedeman has prepared a summary for improvements planned by the City of Seattle in the near future and during the year 1920. The following is a list of the biggest projects planned:

Sewers—Rainier Ave. trunk sewer and laterals, \$267,689 and \$177,800, making a total of \$445,489; Genesee trunk sewer system, including laterals, \$390,230; 63rd Ave. Southwest trunk sewer, Alki district, \$158,204; Michigan St. sewer and laterals, \$250,000 and \$25,000, making a total of \$475,000; East Marginal Way trunk sewer, including laterals in platted streets, \$130,000; Murray St. trunk sewer and laterals, \$137,315 and 376,475, making a total of \$513,790.

Water System Improvements—Replacing wooden water mains in Ballard with cast iron pipe, \$448,162; improvements to water plant, including new pipe lines from Cedar Lake, and completion of the Swan Lake Storage reservoir, \$60,000.

Improvements on Waterfront and Industrial District—Railroad Ave. seawall, \$500,000; Spokane St. fill and pavement, \$171,000; Fourth Ave. South fill and pavement, \$216,772; Harbor Ave. \$78,190; West Spokane St. bascule bridge and approaches, \$900,000; Elliott Ave. fill and pavement, \$564,078; Ninth Ave. South fill and pavement, \$440,000.

Other improvements proposed and said to be essential, include the following: Westlake Ave. pavement, \$50,000; Nickerson St. pavement, \$83,600; Dexter Ave. pavement, \$115,000; Tenth Ave. Northeast grading and pavement, \$211,000; Thorndyke Ave. pavement, \$140,000; West 65th St. pavement, \$94,176.25.

SAN RAFAEL, Marin Co., Cal.—City Council has approved plans for the Richmonding of Tamalpais Ave.

CHICO, Butte Co., Cal.—The City Trustees have awarded a contract to A. Teichert & Son, Ochsner Bldg., Sacramento, for paving street intersections and streets between Salem and Normal, on Second street fronting the Hotel Oaks and Fourth street from the Park Hotel to the Bidwell Park, the work on Fourth street to cost 22 1/2 cents per sq. ft. and on Second street (of a heavier material) 26 1/2 cents per sq. ft.

VALLEJO, Solano Co., Cal.—The proposition of securing a better water system for the Mare Island Navy Yard and the towns of Solano County, was discussed at a recent meeting of the Chamber of Commerce and officials from Mare Island including Commandant E. L. Beach and Leonard M. Cox.

It is planned to improve the water systems for several towns in this section under a bond issue.

Commander Leonard M. Cox presented the data for the navy yard, explained the proposed plan of piping water from the Sacramento river at a point north of Rio Vista, across the county and direct to Mare Island or to Creston where it could be tapped into the Vallejo water system. Cox estimated the cost of the project at \$2,200,000, which included the building of the filtration plant near Rio Vista and a 34 inch wood-stave pipeline.

While no definite action was taken it is expected that immediate steps will be taken to provide an adequate water system.

LOS ANGELES, Cal.—The \$700,000 bond issue to provide the Westgate annexation district with aqueduct water carried at the election on August 28. The amount of the bond issue will cover the district's share of the cost of a reservoir and constructing a pipe line from San Fernando valley through Stone canyon. The district embraces 12,000 acres, including the Wolfskill ranch, foothill property owned by Gillis & Fleming, Huntington Heights, overlooking the ocean north of Santa Monica canyon, and a long stretch fronting on the ocean including the Japanese village.

KLAMATH FALLS, Ore.—Bids received by the City Council for the improvements of several streets have been rejected. The following bids were received.

J. H. Garrett Co., \$72,252.11. Oil and macadam pavement.

Warren Construction Co., bitulithic pavement, \$80,446.33.

Both bids were above the estimate of the City Engineer.

BAKERSFIELD, Kern Co., Cal.—The Chamber of Commerce has started a campaign to secure the construction of a gravity water system for fire protection independent of the domestic water system. It is proposed to construct a number of reservoirs northeast of Bakersfield at an elevation of 700 feet, water to be lifted to the reservoirs from wells on the riverbank below by pumps and distributed by a 10-in. pipe line through east Bakersfield to the west district. Bonds will be issued to cover the cost.

OROVILLE, Butte Co., Cal.—The County Supervisors are considering a bond election to vote \$1,500,000 with which to finance the construction of a modern highway system. A committee of twenty-one, recently appointed, will meet with the Supervisors at the September session to discuss the proposed issue.

SPOKANE, Wash.—County Engineer Allen Scott states that Spokane County will have \$1,000,000 available for county highway construction in the year 1920.

SEATTLE, Wash.—The following are low bids received by the Board of Public Works for the construction of sewers in Fiftieth avenue:

For clay construction—S. A. Mocer, \$27,667, and \$27,667 for concrete construction.

ANTIOCH, Contra Costa Co., Cal.—The Trustees have awarded a contract to Carlo Grosso for installing 1,550 feet of water pipe, he agreeing to do the work for 35 cents a foot, tapping, \$1.50 each, and \$5.00 for connecting to fire hydrants.

YUBA CITY, Sutter Co., Cal.—September 20th is the date set by the Supervisors for opening bids for the purchase of \$80,000 in highway bonds of an \$810,000 issue recently voted for county highway improvements.

FRESNO, Fresno Co., Cal.—The City Council has overruled the protests against the improvement of Tulare avenue between First and Sixth streets and will order bids for the work in the near future.

FRESNO, Fresno Co., Cal.—The California Road & Improvement Co., Bank of Italy Bldg., Fresno, has been awarded the contract for the improvement of F street between Kern and Mono streets; Thompson Bros., 1514 H street, Fresno, were awarded the paving of Merced from G to Kearney Boulevard and for the sewer in blocks 5 and 6 Grand Ave. Park.

RICHMOND, Contra Costa Co., Cal.—Bids received from L. L. Page, Fred Myers, and R. H. Downer for the construction of sewers in East Richmond and Tewksbury Heights have been taken under advisement by the City Council.

For re-surfacing Barrett avenue the low bid was submitted by Galbraith & Jones, 431 10th St., Richmond, at \$.057 per sq. ft. Other bidders were: Chas. Johnson, \$.059 and L. L. Page, \$.0725.

Bids received from Galbraith & Jones, L. L. Page and F. A. Mero for the improvement of Lowell, 24th and 26th streets have been taken under advisement. A. C. Faris is City Clerk.

YUBA CITY, Sutter Co., Cal.—Ed. Von Geldern has been selected by the Supervisors as County Engineer, his salary to be \$3,000 a year. Von Geldern was formerly County Surveyor of Sutter.

VISALIA, Tulare Co., Cal.—The State Highway Commission will construct by force account 10.7 miles of concrete paving on the state highway in Kern county between the south boundary and Rose station (VI-Ker-4-A). Atkinson & Moncure of Sacramento, submitted the only bid for this work at \$327,520. The engineer's estimate was \$214,400. This road is in the Tejon pass. J. B. Woodson, division engineer at Fresno, will have charge of this work.

OROVILLE, Butte Co., Cal.—The City Trustees have taken preliminary steps providing for the opening of the proposed new streets through the property of the Western Realty Company, connecting Myers street and Park avenue with Bridge street. It is planned to start grading within the next few months.

Orange County, between Galivan and Irvine (VII-Or-2-B), about 9.4 miles in length to be paved with Portland Cement concrete.

Awarded to Geo. R. Curtis, 2410 E-26th St., Los Angeles at \$86,550.60. Engineer's Estimate, \$104,936.10.

Lake County, between the westerly boundary and Lakeport (I-Lak-16-A), about 9.4 miles in length to be graded.

Awarded to Erickson & Peterson, Monadnock Bldg., San Francisco, at \$116,100.90.

Engineer's Estimate, \$98,140.90.

Santa Barbara County, between Divalde and Orcutt (V-S.B.-2-A), about 3.6 miles in length to be paved with Portland cement concrete.

Awarded to F. C. McIntire, 406 N-Aurora St., Stockton, at \$38,116.

Engineer's Estimate, \$42,594.60.

Stanislaus County, between Oakdale and Easterly Boundary (III-Sta-13-B), about 12.8 miles in length to be paved with Portland cement concrete.

Awarded to Palmer & McBryde, Hooker-Lent Bldg., San Francisco, at \$157,942.50.

Engineer's Estimate, \$182,619.50.

Los Angeles County, between Lankershim Boulevard and South Sherman Way, (VII-L.A.-2-A), about 5.2 miles in length, to be paved with Portland cement concrete and asphaltic surfacing.

Awarded to Bryant & Austin, Inc., 1656 Compton Ave., Los Angeles, at \$48,177.50.

Engineer's Estimate, \$80,676.

Humboldt County, between Beatrice and Eureka (I-Hum-1-G), about 7.1 miles in length to be paved with Portland cement concrete.

The bid of Mercer-Frazer Co., Eureka, at \$150,476 was rejected. Work will probably be done by the State.

SALINAS, Monterey Co., Cal.—The County Supervisors have directed the Clerk to call bids up to September 19th for the construction of the proposed new road from Lonoak to King City, along the bank of the San Lorenzo creek, in San Benito County, and also for the improvement of the road from Jamesburg to Arroyo Seco, the Nashua-Cooper road, the Watsonville-Salinas road and Alta street, Gonzales. Plans were prepared by County Engineer Howard Cozzens.

SAN FRANCISCO—The Board of Public Works has asked the Supervisors to adopt an Ordinance authorizing the calling of bids for paving Market street from Collingswood to Ord streets, the estimated cost being \$32,000.

City Engineer M. M. O'Shaughnessy has recommended to the Board of Public Works the improvement of Market street from Mono to 24th by grading, construction of sewers and a retaining wall, the cost being approximately \$61,000; also the improvement of Rhode Island street from Seventeenth to Mariposa at \$7,570.

REDWOOD CITY, San Mateo Co., Cal.—The Supervisors have rejected the bid of C. B. Cowden, 2078 Green St., San Francisco, for the construction of a concrete retaining wall on the Redwood City to La Honda road. The bid was \$2,400. The estimate of County Engineer Kneass was \$1,800. The work was left in the hands of the Supervisor of the Third District and Engineer Kneass.

(29957) E

BAKERSFIELD, Kern Co., Cal.—Federal Construction Co., Call Bldg., San Francisco, was awarded the contract for grading and paving Seventeenth street, between Q and Cedar streets, Q street from Truxtun Ave., to Nineteenth St., and Cedar St. between Seventeenth and Eighteenth Sts.; also K St. between Fourteenth and Eighteenth Sts., at 1c sq. ft. for grading, 19c sq. ft. for paving with 3-in. asphaltic concrete base, and 1½ in. bitulithic surface, 25c sq. ft. for concrete gutter, 17c sq. ft. for cement sidewalks, 40c lin. ft. for concrete curb, \$5 lin. ft. for 18-in. culvert, \$4 lin. ft. for 14-in. culvert, \$9 lin. ft. for double culvert.

BAKERSFIELD, Kern Co., Cal.—Supervisor J. B. McFarland of Kern County, plans to begin improvement at once of the road from Muroc to the Los Angeles county line following the Santa Fe Railway and the road from Mojave to Randsburg in the desert. The road to the Los Angeles county line via Mojave and Lancaster will be first improved on account of the closing of the Ridge route in the near future.

SALINAS, Monterey Co., Cal.—County Surveyor Howard F. Cozzens has been instructed by the Supervisors to prepare plans, specifications and estimates of costs for the improvement of two miles of the Natividad road, from the present terminus of the oiled section to the town of Natividad.

MERCED, Merced Co., Cal.—The City Council, J. D. Wood, City Clerk, has awarded a contract to A. Teichert & Son, Ochsenr Bldg., Sacramento, for the improvement of the alley in Block 105 by grading, \$.045 per sq. ft.; paving with 4-in. hydraulic cement concrete base, \$.142 per sq. ft., and the construction of concrete curbs, \$.10 per linear ft.

PHOENIX, Ariz.—Southwestern Construction Co., of Phoenix, has signed a contract at \$34,705.70 to construct Sec. 1 of the Tempe-Mesa highway through the town of Tempe. The state will furnish cement and reinforcing steel to cost \$7,058.54. The pavement will have a 5-inch concrete base and 1½-inch bitulithic surface. McElrath & Shumway of Mesa, have signed the contract at \$115,200.76 to build Sec. 2 of the same road out of Mesa. The state will furnish cement and other materials estimated to cost \$47,556.95. A 6-inch concrete pavement will be laid but will not be surfaced.

MERCED, Merced Co., Cal.—The City Council, J. D. Wood, City Clerk, has adopted plans and passed a resolution of intention providing for the improvement of the alley in Blocks 143 and 165 by grading, construction of concrete curbs and paving with a 4-inch hydraulic cement concrete base.

WOODLAND, Yolo Co., Cal.—At its meeting of September 15th the City Board of Trustees will consider the improvement of paving the alley between Main and Court streets. Better drainage for this street is also planned. Asa Proctor is City Engineer.

SANTA CRUZ, Santa Cruz Co., Cal.—The City Council has accepted the report of Commissioners R. H. Hamilton, B. L. Sharpe and Geo. Wilkes on the proposed Pacific avenue extension and the widening of River street, the work to cost about \$30,000.

RICHMOND, Contra Costa Co., Cal.—Charles H. Cheney, Architect and City Planner, is preparing sketches for a system of parks and playgrounds as planned by the City of Richmond.

WOODLAND, Yolo Co., Cal.—Bids will be received by the County Supervisors up to October 6th, 2 P. M., for the purchase of \$1,000,000 in county highway bonds.

LODI, San Joaquin Co., Cal.—The City Trustees have awarded a contract to the Clark & Henery Construction Co., Ochsner Bldg., Sacramento, for the paving of East Oak and Walnut streets, its bid being the lowest received at \$5.33 per linear front foot. The nearest competitive bid was \$5.70 per front foot.

SANTA ROSA, Sonoma Co., Cal.—At the request of property owners the City Council has ordered the Commissioner of Streets to start with the improvement of Tenth street between Mendocino and B streets by paving that thoroughfare with concrete and asphalt, they agreeing to pay six cents per square foot for the work.

WILLOWS, Glenn Co., Cal.—The City Trustees have awarded the following contracts in connection with the sewer system (District No. 2) planned under the recently voted \$40,000 bond issue:

John Heafey, 22 Mesa St., Oakland, digging and laying the pipe, \$16,066.18. The California Hydraulic Engineering & Supply Co., 70 Fremont St., San Francisco, installation of motor and pump, \$814; H. C. Muddox, pipe, \$9,621.55; D. O. Church, 798 10th St., San Francisco, cement, \$381.

Manholes and the cutting into the main sewer are not provided for in the above contracts. It is probable that bids for this work will be taken separately.

REDWOOD CITY, San Mateo Co., Cal.—The City Trustees have awarded a contract to G. Tocchetto, Redwood City, for the construction of a culvert on Webster street, opposite the City Hall, on his bid of \$1,120.

STOCKTON, San Joaquin Co., Cal.—County Surveyor Quail is completing plans for a stretch of improvement work on the Delta road running from the Independent School house on the Jacobs road to Lane road. A call for bids will be issued for the work on September 18th.

SACRAMENTO, Cal.—The County Supervisors have awarded a contract to Bartholomew & Keems for grading the County Hospital Grounds on their bid of 70 cents per cubic yard.

SAN DIEGO, Cal.—The City Council has adopted plans and specifications of City Engineer Rhodes for the improvement of Granada street from Upas street to University avenue comprising approximately 143,412 sq. ft. paving with 5-in. of 1-2-4 concrete with oil and rock screenings top 14,500 sq. ft. sidewalk; 2816 lin. ft. curb, and the usual service connections. It also provides for 75 trees to be planted in parking by contractor. Resolution of intention for work to be done under Vrooman act will probably be passed by the city council in the near future. (29947) E

SOUTH SAN FRANCISCO, San Mateo Co., Cal.—The City Trustees have decided to re-advertise for bids for the \$129,000 bond issue voted by the city for a new city hall, fire alarm system and improvements to the sewer system.

Only one bid was received for the bonds at the first sale, this offering a premium of \$593.

RAILROADS.

LODI, San Joaquin Co., Cal.—The City Trustees have passed an ordinance (No. 107) granting permission to the Setchel Fruit Co., of Lodi, to lay down and maintain railroad tracks in certain streets, to operate locomotives and cars for the transportation of their products.

H. S. Clark is City Clerk.

PORTLAND, Ore.—The Boschke, Miller, Grier Co., Northwestern Bank Bldg., Portland, has been awarded the contract for the construction of a standard gauge railroad for the Alsea River Lumber Company in Benton County.

The railroad will be seven miles long and will extend from Glenn Brook on the Southern Pacific railroad westerly.

Construction will be started immediately. Several pile trestles are required to complete the road.

CLOVIS, Fresno Co., Cal.—September 16th is the date set by the City trustees to hear the report of City Engineer Andrew Jensen regarding the improvement of certain streets in this city.

RICHMOND, Contra Costa Co., Cal.—The Board of Education has recommended to the City Council, A. C. Faris, City Clerk, that a tax assessment of five cents on each \$100 be levied upon property owners to cover the cost of school improvements as follows:

Filling and surfacing of the Peres school yard; the improvement of Fifth

street adjoining the Peres school to the sum of \$3000; the improving of Cypress avenue, in the rear of Stege school, to the sum of \$1000, and oiling and surfacing of the Grant school yard to the sum of \$1500. Action was laid over until the next meeting of the Council.

"To date, 1700 officers and ex-officers of the American army, the greater portion of them men who have seen service with the Expeditionary Forces in France and elsewhere, have registered with the War Department in Washington as applicants for position," it is announced by Colonel Arthur Woods, Assistant to the Secretary of War, who is at present conducting a nationwide drive for the re-employment of these men.

The salaries which are expected by these men vary between \$750 and \$6,000 per year. A number of the applicants desire to continue in the work in which they have had experience before the beginning of the war. Others, on the basis of their military training, desire to enter into new fields and are willing to accept correspondingly low salaries until they have proved their worth. The list includes business men, professional men of all sorts, technical men and members of a variety of other lines of activity.

The list includes men desiring managerial work, teaching, editorial work, engineering, export and import, research and organization, tutoring and teaching, bond salesmanship, mining, newspaper, magazine or publicity work, social service, tobacco business, architecture, law, rubber business, chemical or dyestuffs business, salesmanship, aeroplane work, wool business, steel, iron and coal operation, marine insurance, accountancy, work in Japan, shipping, automobile work, admiralty law, manufacturing, chemistry, etc.

Employers needing men who, by virtue of their experience in the army and because of the responsible positions they held during their service are fitted to be first-rate executives, men with a sense of order, with punctuality, reliability and executive powers, are urged to apply directly to the office of Colonel Arthur Woods, Washington, D. C., in order to be put directly in touch with these men.

RIO VISTA, Solano Co., Cal.—Plans are practically completed for the erection of a power line by the Great Western Power Company to serve the town of Franklin, which lies about ten miles south of Sacramento. The main line tap and the distributing lines about the town will cover about twelve miles. The cost of construction will be about \$20,000.

A 22,000-volt line will be built from Hood through which the present main line passes, to the town, where a sub-station will be erected for the distribution of the current.

Architect W. H. Weeks, 75 Post St., is preparing preliminary plans for a group of high school buildings to be erected at Bishop, Inyo County, for the Bishop High School District. The group will cost in the neighborhood of \$150,000.

CONTRACTS AWARDED

Liens, Acceptances, Etc.

BUILDING CONTRACTS.

San Francisco County

The following is an index for the contracts for this issue:

No.	Owner	Contractor	Am't.
1848	Schultz	Schultz	18000
1849	Johnson	Brown	400
1850	United Eng	Doss	2500
1851	Johnson	Johnson	500
1852	Weaver	Dunn	450
1853	Wright	Rich	3900
1854	Leo	Leigh	5300
1855	Levy	Henderson	33091
1856	Same	Snook	1480
1857	Same	Decker	1072
1858	Wright	Rich	3900
1859	Welsh	Reedy	3900
1860	Smith	Smith	10000
1861	Roos	Emanuel	2000
1862	Chaefant	Hamerton	8500
1863	Dahler	Dahler	400
1864	Meyer	Meyer	9000
1865	Heyman	Heyman	4000
1866	Skully	Dawson	400
1867	Manning	Delbel	900
1868	Cimino	Cimino	400
1869	Lawrance	Rountree	800
1870	Kaufman	Hoegge	400
1871	Cassassa	Owner	400
1872	Hawthorne	Moran	600
1874	Plumel	Petersen	2800
1875	Cerles	Cerles	4500
1876	Bolton	Coburn	5000
1877	Cesar	Hansen	13000
1878	Atkins	Hansen	11800
1879	Same	Forbes	5400
1880	Hanify	Agmar	1345
1881	Hueter	Scott	5100
1882	Same	Grafer	4200
1883	Ihersen	Amer. Conc	7050
1884	Robinson	Butler	6580
1885	Allen	Nelson	36000
1886	Same	Same	12000
1887	Same	Same	6000
1888	Nelson	Nelson	18000
1889	Duncan	Duncan	950
1890	Garret	Bond	1000
1891	Wilson	Novelty	2000
1892	Turner	Turner	400
1893	Cutler	Brady	400
1894	Thompson	Thompson	480
1895	Hartsook	Cal Art Mtl	400
1896	de Watson	Owner	900
1897	Garrissio	Schindler	400
1898	Rabjohn	Owner	1000
1899	Blakeman	Johnson	14800
1900	Nat'l. Bolt	Vogt	4847
1901	Wilson	Johnson	6407
1902	Anderson	Anderson	5500
1903	Same	Same	5500
1904	Schoenduby	Olsen	2750

FRAME DWELLINGS

(1848) E DORCHESTER 165, 195 & 225 S Claremont. Three two-story and basement frame dwellings.
Owner—Mills Schultz, 46 Kearny St., San Francisco.
Architect—C. S. McNally, 23 Woodland Ave., San Francisco.
Contractor—Schultz Constr. Co., 46 Kearny St., San Francisco.
COST, \$6000 each

ALTERATIONS

(1849) W TWENTIETH AVE 200 S Lincoln Way. Ratproofing, etc., for store.
Owner—J. H. Johnson, 1222 20th Ave., San Francisco.
Architect—T. E. Brown, 1882 19th Ave, San Francisco.
Contractor—T. E. Brown, 1882 19th Ave, San Francisco.
COST, \$400

ALTERATIONS

(1850) NW FOLSOM AND STEWART Alter for offices.
Owner—United Engineering Co., 224 Spear St., San Francisco.
Architect—None.
Contractor—C. A. Doss, 2058 E-15th St., Oakland.
COST, \$2500

WORK SHOP

(1851) SE ANDOVER & EUGENIA. One-story frame work shop.
Owner—J. Johnson, 196 Andover St., San Francisco.
Architect—None.
Day's work.
COST, \$500

ALTERATIONS

(1852) NO. 3653 JACKSON. Alter dwelling.
Owner—L. F. Weaver, 3580 Washington St., San Francisco.
Architect—None.
Contractor—J. N. Dunn, 2630 Anza St., San Francisco.
COST, \$450

FRAME DWELLING

(1853) E TWENTY-SIXTH AVE 195 S Anza. One-story and basement frame dwelling.
Owner—J. W. Wright & Sons, Inc., Co., 228 Montgomery, S. F.
Architect—None.
Contractor—James Rich, 940 Railroad Ave., San Francisco.
COST, \$3900

CLASS "C" AUTO SALES ROOMS

(1855) NE PACIFIC AND VAN NESS Aves. N 91-7xE 107-6. Excavation, concrete, carpenter, steel, roofing, and plastering for one-story and basement Class "C" auto sales room building.

Owner—M. L. Levy, Mutual Bk. Bldg., San Francisco.

Architect—Alfred Henry Jacobs, 110 Sutter St., San Francisco.

Contractor—W. D. Henderson, 681 Market St., San Francisco.

Filed Sept. 2, '19. Dated Aug. 30, '19.
1st floor poured.....\$272.90
Roof boards in place.....\$272.90
Completed.....\$272.90
Usual 35 days.....\$272.90

TOTAL COST, \$33,091.60
Bond, \$33,091. Surety, New Amsterdam Casualty Co. Limit, forfeit, none. Plans and specifications filed.

(1856) PLUMBING ON ABOVE.

Contractor—Frederick W. Snook Co., 596 Clay St., San Francisco.

Filed Sept. 2, '19. Dated Aug. 30, '19.
Roughed in.....\$740
Completed and accepted.....370
Usual 35 days.....370

TOTAL COST, \$1480

Bond, limit, forfeit, none. Plans and specifications filed.

(1857) ELECTRICAL WORK ON ABOVE.

Contractor—Decker Elec. Constr. Co., 149 New Montgomery St., S. F.

Filed Sept. 2, '19. Dated Aug. 30, '19.
On completion.....¾
Usual 35 days.....¼

TOTAL COST, \$1072.50

Bond, none. Limit, as required. Forfeit, none. Plans and specifications filed.

(Correction in Location)

FRAME DWELLING

(1854) E FIFTEENTH AVE 49 N Cabrillo. All work for two-story frame dwelling.

Owner—Mary C. Leo, 4035 23rd St., San Francisco.

Architect—None.

Contractor—David Leigh, 840 44th Ave., San Francisco.

Filed Sept. 2, '19. Dated Aug. 27, '19.

Frame erected.....\$1325
Brown coat of mortar applied.....1325

Completed.....1325
Usual 35 days.....1325

TOTAL COST, \$5300

Bond, limit, forfeit, none. Plans and specifications, none.

FRAME DWELLING

(1858) E TWENTY-SIXTH AVE 171-8 S Anza. One-story and basement frame dwelling.

Owner—J. W. Wright & Sons, Invst. Co., 228 Montgomery, S. F.

Architect—None.

Contractor—James M. Rich, 940 Railroad Ave, San Francisco

COST, \$3900

FRAME DWELLING

(1859) E CHURCH 26-6 S Duncan. One and one-half-story and basement frame dwelling.

Owner—W. J. Welsh, 3822 25th, S. F.

Architect—None.

Contractor—Wm. M. Reedy, 267 Ellsworth, San Francisco.

COST, \$3900

FRAME DWELLING

(1860) NE CLAREMONT & GRAFTON. Two-story and basement frame dwelling.

Owner—Mattie E. Smith, 2548 Folsom St., San Francisco.

Architect—None.

Day's work. COST, \$10,000

(1861) MARKET AND STOCKTON. Erect lath and plaster partition and raise floor.

Owner—Roos Bros., Premises.

Architect—None.

Contractor—L. & E. Emanuel, Inc., 1530 Filbert, San Francisco.

COST, \$2000

FRAME DWELLING

(1862) E SAN LEANDRO 370 S St. Francis. Two-story and basement frame dwelling.

Owner—Dr. J. Chaefant, 763 Clayton, San Francisco.

Architect—None.
Contractor—Wm. C. Hamerton & Son, 1301 Waller, San Francisco.
COST, \$8500

ALTERATIONS

(1863) NO. 184 MARTFORD. Minor alterations to flats.

Owner—H. G. Dahler, 4052 19th St., San Francisco.

Architect—None.

Day's work. COST, \$400

FRAME DWELLINGS

(1864) E TWENTY-SECOND AVE. 75 and 100 S Anza. Two two-story and basement frame dwellings.

Owner—Theodore G. Meyers, 2628 Anza, San Francisco.

Architect—None.
Day's work. COST, \$4500 each

FAME DWELLING

(1865) N GEARY 40 E 29th Ave. One-story and basement frame dwelling.

Owner—Oscar Heyman & Bro., 742 Market, San Francisco.

Architect—None.
Day's work. COST, \$4000

ALTERATIONS

(1866) NO. 218 GRAFTON AVE. Alter dwelling.

Owner—Mrs. P. Skully.

Architect—None.
Contractor—J. Dawson, 2121 Durant Ave., Berkeley.

COST, \$400

ALTERATIONS

(1867) NO. 1621 TURK. Alter flats for apartments.

Owner—Mr. Manning, Premises.

Architect—None.
Contractor—L. J. Deibel, 2453 Buchanan, San Francisco.

COST, \$900

ADDITIONS

(1868) NO. 187 ELLSWORTH. Add windows and enlarge porch.

Owner—Natale Cimino, Premises.

Architect—None.
Day's work. COST, \$400

GARAGE

(1869) N GREEN 120 E Baker. One-story frame private garage.

Owner—C. V. Lawarance, 2208 Green, San Francisco.

Architect—None.
Contractor—R. Rountree, 408 Hugo, San Francisco.

COST, \$800

FRAME DWELLING

(1870) E RAILROAD AVE 55 N Wallace. One-story and basement frame dwelling.

Owner—Frank Kaufman, 1521 Van Dyke Ave., San Francisco.

Architect—None.
Contractor—J. M. Hoege, 62 Williams Ave., San Francisco.

COST, \$400

REPAIRS

(1871) S O'FARRELL 137-6 W Pierce. Repair fire damage.

Owner—D. Cassassa, Santa Rosa, Cal.

Architect—J. C. Hladik, Monadnock Bldg., San Francisco.

Day's work. COST, \$400

ALTERATIONS

(1872) NO. 302 CLEMENT. Alter apartment entrance.

Owner—J. D. Hawthorne, Premises.

Architect—None.
Contractor—H. Moran, 778 10th Ave., San Francisco.

COST, \$600

ROOF

(1873) NO. 634 STANYAN. Construct roof over academy.

Owner—S. F. Riding Academy, Prem Architect—Phillip L. Bush, 101 California, San Francisco.

Contractor—J. Pattinson, 925 The Alameda, Berkeley.

COST, \$1688

FRAME DWELLING

(1874) N PALOU 75 W Keith. One-story and basement frame dwlg.

Owner—Peter Plumel, 1234 19th Ave., San Francisco.

Architect—None.
Contractor—Antone Petersen, 2722 San Bruno Ave., San Francisco.

COST, \$2800

FRAME DWELLING

(1875) N OAKDALE 25 E Newhall. Two-story and basement frame dwelling.

Owner—L. Cerles, Oakdale, S. F.

Architect—None.
Contractor—Antone Petersen, 2722 San Bruno Ave., San Francisco.

COST, \$4500

REPAIRS

(1876) NO. 789 MISSION. Repair fire damage to store.

Owner—A. E. Bolton, 707 Crocker Bldg., San Francisco.

Architect—None.
Contractor—Ira W. Coburn, 180 Jessie, San Francisco.

COST, \$5000

SHOP

(1877) SE FIFTH AND HARRISON. One-story brick shop.

Owner—George Ceasar, Ross Earley Apartments, San Francisco.

Architect—J. F. Dunn, 401 Phelan Bldg., San Francisco.

Contractor—F. L. Hansen, 2000 Polk St., San Francisco.

COST, \$13,000

FRAME DWELLING

(1878) N JACKSON 117-7 W Maple. Carpenter work for two-story and basement frame dwelling.

Owner—R. Atkins, 120 Sutter St., San Francisco.

Architect—J. F. Dunn, 401 Phelan Bldg., San Francisco.

Contractor—F. L. Hansen, 2000 Polk St., San Francisco.

Frame up.....\$3500

Enclosed, ready for plaster.....3350

Completed and accepted.....2000

Usual 35 days.....2550

TOTAL COST, \$11,800

(1879) GRADING AND CONCRETE work on above.

Contractor—R. J. H. Forbes, Monadnock Bldg., San Francisco.

On 1st and 15th of each month 75%
Usual 35 days.....25%

TOTAL COST, \$5400

FRAME RESIDENCE

(1880) N GREEN 103-1½ W Divisadero W 34-4½xN 137-6 W A 492.

Painting, canvas work, blankstocking and tinting for two-story and basement frame residence.

Owner—Al. Hanify, 24 Market St., San Francisco.

Architect—Ward & Blohme, Alaska Commercial Bldg., San Francisco

Contractor—Paul Aguilar, 433 California, San Francisco.

Filed Sept. 4, '19. Dated Aug. 28, '19.

On 1st of each month.....75%
36 days after, 25%.....\$336

TOTAL COST, \$1345

Bond, \$672. Surety, National Surety Co. Limit, as soon as possible. Forfeit, none. Plans and specifications filed.

RESIDENCE

(1881) N VALLEJO 110 W Baker N 137-6xW 70. Plumbing, steam heating and fuel oil burning plant for two-story residence.

Owner—Oscar M. Hueter, 544 Market St., San Francisco.

Architect—John H. Powers, 460 Montgomery St., San Francisco.

Contractor—Scott Co., Inc.

Filed Sept. 4, '19. Dated Aug. 1, '19.

At end of each month.....75%
Usual 35 days.....25%

TOTAL COST, \$5100

Bond, none. Limit, 150 days. Forfeit, none. Plans and specifications filed.

(1882) INTERIOR AND EXTERIOR painting on above.

Contractor—Harry G. Graper.

Filed Sept. 4, '19. Dated Aug. 22, '19.

Payments same as above.....
TOTAL COST, \$4200

Bond, none. Limit, 150 days after Aug. 25, 1919. Forfeit, none. Plans and specifications filed.

MACHINE SHOP

(1883) W JONES 100 S Ellis S 37-6x W 87-6. All work for one-story reinforced concrete machine shop.

Owner—Robt. Ibersen.

Architect—T. Paterson Ross, 310 California, San Francisco.

Contractor—American Concrete Co., Humboldt Bank Bldg., S. F.

Filed Sept. 4, '19. Dated Aug. 14, '19.

Concrete walls finished.....\$1765

Plastering completed.....1760

Completed and accepted.....1760

Usual 35 days.....1765

TOTAL COST, \$7050

Bond, \$3525. Sureties, Jesse W. Anderson and J. P. Couplah. Limit, 45 days. Forfeit, \$10. Plans and specifications filed.

WAREHOUSE

(1884) NE EIGHTH 245 SE Folsom SE 30xNE 120. All work except plumbing for one-story brick warehouse.

Owner—V. H. Robinson, 351 8th St., San Francisco.

Architect—Jas. H. Humphreys, Wells Fargo Bldg., San Francisco.

Contractor—Butler & Reilly, 180 Jessie, San Francisco.

Filed Sept. 4, '19. Dated Aug. 30, '19.

Brick work completed.....\$3000

Completed and accepted.....1935

Usual 35 days.....1645

TOTAL COST, \$6580

Bond, \$3290. Sureties, D. J. Sullivan

and P. P. Quinn. Limit, 30 days. Forfeit, none. Plans and specifications filed.

FRAME DWELLINGS

(1885) W TWENTY-NINTH AVE 120, 145, 160, 185, 210 and 235 N California. Six 2-story and basement frame dwellings.

Owner—Allen & Co., 125 Sutter St., San Francisco.

Architect—E. B. Bertz, Foxcroft Bldg., San Francisco.

Contractor—Emil Nelson, 39 Delmar St., San Francisco.

\$6000 each

FRAME DWELLINGS

(1886) E TWENTY-NINTH AVE 120 and 145 N California. Two 2-story and basement frame dwlgs.

Owner—Allen & Co., 125 Sutter St., San Francisco.

Architect—E. B. Bertz, Foxcroft Bldg., San Francisco.

Contractor—Emil Nelson, 39 Delmar St., San Francisco.

COST, \$6000 each

FRAME DWELLINGS

(1887) E TWENTY-EIGHTH AVE 90 'S Lake. Two-story and basement frame dwelling.

Owner—Allen & Co., 125 Sutter St., San Francisco.

Architect—E. B. Bertz, Foxcroft Bldg., San Francisco.

Contractor—Emil Nelson, 39 Delmar St., San Francisco.

COST, \$6000

FRAME DWELLINGS

(1888) E FIFTEENTH AVE 110, 135 and 160 N Anza. Three two-story and basement frame dwellings.

Owner—Emil Nelson, 39 Delmar St., San Francisco.

Architect—E. B. Bertz, Foxcroft Bldg., San Francisco.

Day's work. COST, \$6000 each

FRAME DWELLING

(1889) W EIGHTEENTH AVE 100 S Noriega. One-story and basement frame dwelling.

Owner—Geo. B. Duncan, Jr., 1230 Haight, San Francisco.

Architect—None.

Day's work. COST, \$950

ALTERATIONS

(1890) NOS. 810-816 TURK. General alterations.

Owner—Mrs. Garret, 1336 Regent St., Alameda.

Architect—None.

Contractor—Robt. Bond, 680 Eddy St., San Francisco.

COST, \$1000

ELECTRIC SIGN

(1891) NO. 40 FIFTH. Electric sign

Owner—Wal. Wilson, Premises.

Architect—None.

Contractor—Novelty Elec. Sign Co., 165 Eddy, San Francisco.

COST, \$2000

ALTERATIONS

(1892) NO. 2576 GREEN. Alter for private garage.

Owner—Frank J. Turner, Premises.

Architect—None.

Day's work. COST, \$400

ALTERATIONS

(1893) NO. 144 TWENTY-FIFTH AVE

Enclose porch for bed room.

Owner—Leland W. Cutler, Premises.

Architect—None.

Contractor—A. P. Brady, 191 Frederick St., San Francisco.

COST, \$400

FRAME DWELLING

(1894) E MOULTRIE 75 N Ogden.

One-story and basement frame dwlg

Owner—Chas. Thompson, 635 Moultrie St., San Francisco.

Day's work. COST, \$480

SHOW CASE

(1895) NO. 833 MARKET. Construct show case.

Owner—Fred Hartsook, 41 Grant Ave San Francisco.

Architect—A. Lansburgh, 709 Mission St., San Francisco.

Contractor—California Artistic Metal Works, 347 7th, San Francisco.

COST, \$400

ALTERATIONS

(1896) NE LAKE AND SECOND AVE. Interior alterations for apartments.

Owner—Mrs. A. O. de Watson, 121 2d Ave., San Francisco.

Architect—Martin A. Sheldon, 110 Sutter, San Francisco.

Day's work. COST, \$900

ALTERATIONS

(1897) NO. 400 BAY. Erect range and extend chimney.

Owner—J. Garrino, Premises.

Architect—None.

Contractor—S. J. Schindler, 468 Valencia, San Francisco.

COST, \$400

ALTERATIONS

(1898) NO. 240 POST. Store fixtures and add balcony.

Owner—Rabjohn & Morcom, Premises

Architect—None.

Day's work. COST, \$1000

ALTERATIONS

(1899) SW SANSOME AND JACKSON

Brick, carpenter, concrete, plumbing, glazing, roofing, etc., for alterations to building for factory.

Owner—T. Z. Blakeman, Phelan Bldg., San Francisco.

Architect—Bliss & Faville, Balboa Bldg., San Francisco.

Contractor—J. Harold Johnson, 180 Jessie St., San Francisco.

Filed Sept. 5, '19. Dated Aug. 27, '19.

Monthly payments of 75%

Usual 35 days 25%

TOTAL COST, \$14,800

Bond, \$7400. Sureties, F. H. Martell and H. E. Drake. Limit, Dec. 1, 1919.

Forfeit, \$10. Plans and specifications filed.

STORAGE SHED

(1900) SE WELSH 227-6 SW Zoe SW 62-6xSE 160. All work except plumbing and wiring for one-story frame storage shed.

Owner—The National Bolt Works, 924 Bryant St., San Francisco.

Architect—Nathaniel Blaisdell, 255 California St., San Francisco.

Contractor—Alfred H. Vogt, 185 Stevenson St., San Francisco.

Filed Sept. 5, '19. Dated Aug. 29, '19.

Roof boards on \$1817

Completed and accepted 1818

Usual 35 days 1212

TOTAL COST, \$4847

Bond, \$2424. Sureties, Jno. D. Davidson and W. J. Feary. Limit, 25 days.

Forfeit, \$10. Plans and specifications filed.

STORE

(1901) SE EDDY AND MASON; No. 54 Mason and 97 and 99 Eddy St.

All work except painting, plaster and electric work for store in bldg.

Owner—A. W. Wilson.

Architect—C. A. Meussdorffer, Humboldt Bank Bldg., S. F.

Contractor—Joel Johnson, 110 Jessie, San Francisco.

Filed Sept. 5, '19. Dated Sept. 5, '19.

On 3rd of each month 75%

Usual 35 days 25%

TOTAL COST, \$6407

Bond, none. Limit, 60 days after

Sept. 6, 1919. Forfeit, none. Plans and specifications filed.

BUNGALOW

(1902) COMG. INTERSECTION N line Lot 7 and W Eastwood Drive S 40

N 85 deg 16 min 33 sec W 102.752 N

243 W 39 S 86 deg 03 min 01 sec E

109.147 Ptn Lots 7 and 8 Blk 3164, Westwood Park. All work for one-story frame bungalow and garage.

Owner—Hilding Anderson, 1858 Fell St., San Francisco.

Architect—H. C. Baumann, 251 Kearny St., San Francisco.

Contractor—Anderson & Johnson, 47-A Landers St., San Francisco.

Filed Sept. 5, '19. Dated Aug. 29, '19.

Frame up, enclosed & roof on \$1375

Brown coated 1375

Completed and accepted 1375

Usual 35 days 1375

TOTAL COST, \$5500

Bond, \$2750. Sureties, Albin Warden and Thos. Leonard. Limit, 90 days.

Forfeit, none. Plans and specifications filed.

BUNGALOW

(1903) COMG. INT. W line Eastwood Drive and N line Lot 6 Blk 3164,

Westwood Park S 40 N 86 deg 03 min W 109.147 N 38.748 S 86 deg 27

min 59 sec E 114.681 Lot 6 and Ptn. Lot 7 Blk 3164, Westwood Park.

All work for one-story frame bungalow and garage.

Owner—Hilding Anderson, 1858 Fell St., San Francisco.

Architect—H. C. Baumann, 251 Kearny St., San Francisco.

Contractor—Anderson & Johnson, 47-A Landers St., San Francisco.

Filed Sept. 5, '19. Dated Aug. 2, '19.

Frame up and roof on \$1375

Brown coated 1375

Completed and accepted 1375

Usual 35 days 1375

TOTAL COST, \$5500

Bond, \$2750. Sureties, Albin Warden and Thos. Leonard. Limit, 90 days.

Forfeit, none. Plans and specifications filed.

RESIDENCE

(1904) LOT 26 BLK 19 Additions to

Castro St. Add'n. and Glen Park Terrace. Interior and exterior construction for residence already enclosed.

Owner—Amanda and Clement Schoen-

duby, 2371 Diamond St., S. F.

Architect—None.

Contractor—Olaf Olsen, 1214 Stanyan

St. San Francisco.

Filed Sept. 6, '19. Dated Sept. 3, '19.
 Rough plumbing in, electric
 wiring done and front steps
 done\$650
 Lathing and plaster done..... 650
 Completed and accepted..... 700
 Usual 35 days..... 750
TOTAL COST, \$2750
 Bond, \$1375. Sureties, C. E. Hubacher
 and C. L. Meyer. Limit, 60 days. For-
 feited, none. Specifications only filed.

COMPLETION NOTICES.

San Francisco County

Recorded Accepted
 Sept. 4, 1919—NW TWENTY-SIXTH
 Ave. and Anza N 25xW 82-6
 James Welsh to James Welsh &
 Co.Aug. 2, 1919
 Sept. 4, 1919—W TWENTY-SIXTH
 Ave 25 N Anza N 25xW 82-6.
 James Welsh to James Welsh &
 Co.Aug. 2, 1919
 Sept. 4, 1919—N ANZA 110 W 26th
 Ave W 27-6xN 120. Jas Welsh to
 Jas Welsh & Co.Aug. 2, 1919
 Sept. 4, 1919—N ANZA 82-6 W 26th
 Ave W 27-6xN 100. Jas Welsh to
 Jas Welsh & Co.Aug. 2, 1919
 Sept. 4, 1919—NW 26TH AVE AND
 Anza N 25xW 82-6 W 26th Ave
 25' N Anza N 25xW 82-6 N Anza
 110 W 16th Ave W 27-6xN 120
 N Anza 82-6 W 26th Ave W 27-6
 x N 100 James Welsh to James
 Welsh & Co.Aug. 2, 1919
 Sept. 4, 1919—E 30TH AVE 100 S
 Taraval S 50x E 120 Thos. H
 Clancy, Jr. and Ellen Clancy to
 Nelson Bros.Aug. 22, 1919
 Sept. 4, 1919—W PLYMOUTH 325
 N Grafton The McCarthy Co. to
 James Arnott & SonSept. 4, 1919
 Sept. 4, 1919—W PLYMOUTH AVE
 150 N Grafton Ave The McCarthy
 Co. to Jas. Arnott & Son
Sept. 4, 1919
 Aug. 29, 1919—E VAN NESS AVE
 142-2 1/2 N California N 63x E 137-6
 Louis R Lurie to Barrett & Hilp
Aug. 25, 1919
 Sept. 3, 1919—NW MISSION AND
 Embarcadero. Jno T Harmes for
 Nellie M and Agnes Lowry and
 Isabell L Soule to Bernard Becaas
Sept. 3, 1919
 Sept. 3, 1919—S BUSH 112-6 E Hyde
 D J Clancy to whom it may con-
 cernSept. 1, 1919
 Sept. 2, 1919—NW LISBON 225 SW
 Russia Ave SW 25xNW 100 Lot 7
 Blk 21, Excl Hd Maria Braun to
 whom it may concern Aug. 29, 1919
 Aug. 30, 1919—SW SCOTT and Fell
 NE 3rd and Brannan and N
 Gore at Mission and Otis. Asso-
 ciated Oil Co. to Barrett & Hilp.
Aug. 27, 1919
 Bowers 4
 Aug. 30, 1919—W 23RD AVE 100 N
 Anza N 25xW 100. A. V. Ander-
 son to whom it may concern.....
Aug. 30, 1919

Architect C. C. Dakin, 68 Post St.,
 has completed plans (bids will be
 taken by the owner, John Rutherford,
 Redwood City) for the erection of
 two one-story frame buigalows to be
 erected in Burlingame at a cost of
 \$12,000 each.

BUILDING CONTRACTS.

Alameda County.

No.	Owner	Contractor	Amt.
1914	Dukette	Riddell	4900
1915	Roos	Jackson	1400
1916	Pendergast	Owner	500
1917	La Franchi	Rose	500
1918	Durant	Walker	800
1919	Pordon	Pordon	2750
1920	Vail	Vail	9500
1921	Johansen	Johansen	2000
1922	Sims	Sims	2000
1923	Geadstone	Skaggs	2000
1924	Valpreda	Valpreda	2500
1925	Gelder	Gelder	2500
1926	Sebbins	Hancock	3800
1927	McNear	Western Rfg	400
1928	City of Okd	Faulkes	3600
1929	Same	Same	1200
1930	Ronay	Ronay	400
1931	Aubry	Aubry	400
1932	Athenian	Athenian	800
1933	Guist	Guist	400
1934	Boyarzsky	Davis	500
1935	Moeer	Roth	1725
1936	Bischoff	Owner	2500
1937	Lock	Burks	4000
1938	Littleford	Owner	3500
1939	Worsard	Stewart	4000
1940	Kitterman	Ward	4500
1941	Jacobs	Swenson	479
1940	Sellers	Stan	2700
1941	Hardy	Hardy	400
1942	Armstrong	Bertelsen	1750
1943	Woodburn	Owner	3000
1944	Same	Same	3000
1945	Larsen	Larsen	6000
1946	Corder	Austin	1000
1947	Vaughn	Owner	3500
1948	Pardee	Sharder	3000
1949	McCarthy	Owner	500
1950	Vaughn	Owner	11840
1951	Co-Op. Meat Co	Owner	500
1952	Bear	Bear	400
1953	Wood	Riddell	—

FRAME DWELLING

(1919) PACIFIC AND DHAGAR
 Aves., Piedmont. Two-story frame
 dwelling.

Owner—L. R. Dukette.
 Architect—None.
 Contractor—Riddell Bldg Service Co.,
 2247 Telegraph Ave., Berkeley.
COST, \$4900

ALTERATIONS

(1915) SW THIRTEENTH AND
 Washington, Oakland. Alterations.

Owner—Roos Bros., Premises.
 Architect—None.
 Contractor—Jackson-Koski Co., 35
 Ramona Ave., Oakland.
COST, \$1400

ALTERATIONS

(1916) NO. 1029 TWENTY-SECOND,
 Oakland. Alterations.

Owner—N. Pendergast, Premises.
 Architect—None.
 Day's work.
COST, \$500

ALTERATIONS

(1917) NO. 1619 BROADWAY, Oak-
 land. Alterations.

Owner—Otto La Franchi Co., Prem.
 Architect—None.
 Contractor—A. H. Rose & Co., 525
 17th, Oakland.
COST, \$500

HANGAR

(1918) W EIGHTY-SECOND AVE 300
 S E-14th, Oakland. Aeroplane
 hangar.

Owner—W. C. Durant.

Architect—None.

Contractor—P. J. Walker Co., Mo
 nadnock Bldg., San Francisco.
COST, \$30

DWELLING

(1919) S ASHBY AVE 200 E Califor-
 nia, Berkeley. One-story 5-room
 dwelling.

Owner—E. Pordon, 1617 Julia, Bkly.
 Architect—Noble Newsom, Thouzan
 Oaks, Berkeley.

Day's work.

COST, \$275

APARTMENTS

(1920) N WALKER AVE 280 E Lak-
 Park Ave., Oakland. Two-story 1-
 room apartments.

Owner—Henry R. Vail, Syndicate
 Bldg., Oakland.

Architect—Chester H. Miller, New
 Call Bldg., San Francisco.
 Day's work.
COST, \$9500

DWELLING

(1921) E BROWN AVE 150 N Wis-
 consin, Oakland. One-story 5-room
 dwelling.

Owner—O. Johansen.
 Architect—None.
 Day's work.
COST, \$2000

DWELLING

(1922) N BROOKDALE AVE 440 E
 Peralta Ave., Oakland. One-story
 five-room dwelling.

Owner—Wm. H. Sims, 1926 64th Ave.
 Oakland.

Architect—None.

Day's work.

COST, \$2000

DWELLING

(1923) N FORTY-SIXTH 400 E
 Grove, Oakland. One-story 4-room
 dwelling.

Owner—Mrs. Ella B. Geadstone, 566
 46th, Oakland.

Architect—None.

Contractor—J. H. Skaggs, 536 44th

Oakland.

COST, \$2000

DWELLING

(1924) SE FORTY-THIRD AND
 Market, Oakland. One-story 5-room
 dwelling.

Owner—L. Valpreda, 4329 Grove St.

Oakland.

Architect—None.

Day's work.

COST, \$2950

DWELLING

(1925) E MANILA AVE 65 N Clifton
 Oakland. One-story 6-room dwlg.
 Owner—Gertrude Gelder, 1127 53rd.

Oakland.

Architect—None.

Contractor—John Gelder, 4525 West,

Oakland.

COST, \$2500

STORE AND DWELLING

(1925) SE B-TWELFTH AND 33rd
 Ave., Oakland. Two-story store
 and dwelling.

Owner—Jesse Sebbins, Albany.

Architect—None.

Contractor—Hancock & Lydsksen,

1244 29th Ave., Oakland.

COST, \$3800

REPAIRS

(1927) NE SEVENTEENTH AND
 San Pablo Ave., Oakland. Roof re-
 pairs.

Owner—M. McNear, Oakland.

Architect—None.

Contractor—Western Roofing Co., 438
15th, Oakland.

COST, \$400

FRAME SCHOOL

(1928) SE EIGHTY-FIFTH AVE &
A St., Oakland. Three one-story 1-
room frame schools.

Owner—City of Oakland.

Architect—None.

Contractor—John R. Faulkes, 9828 E-
14th St., Oakland.

COST, \$1200 each

SCHOOL

(1929) NE NINETY-EIGHTH AVE &
Plymouth, Oakland. One-story 1-
room school.

Owner—City of Oakland.

Architect—None.

Contractor—John R. Faulkes, 9828 E-
14th St., Oakland.

COST, \$1200

GARAGE

(1930) NO. 1305-15 ADELIN, Oak-
land. Garage.

Owner—Mrs. F. G. Ronay, Premises.

Architect—None.

Day's work. COST, \$400

ADDITION

(1931) NO. 643 FIFTY-EIGHTH ST.,
Oakland. Addition.

Owner—G. Aubry, Premises.

Architect—None.

Day's work. COST, \$400

ALTERATIONS

(1932) W FRANKLIN 76 N 14th St.,
Oakland. Alterations.

Owner—Athenian Club, Premises.

Architect—None.

Day's work. COST, \$800

ADDITION

(1933) NO. 3014 HOPKINS, Oakland.
Addition.

Owner—Belle Guist, Premises.

Architect—None.

Day's work. COST, \$400

ALTERATIONS

(1934) NO. 531 TWELFTH, Oakland.
Alterations.

Owner—Bayarsky & Garfinkle, Prem.

Architect—None.

Contractor—A. L. Davis, 2626 Union,
Oakland. COST, \$500

ADDITION

(1935) NO. 2040 SANTA CLARA AV
Alameda. All work for one-story
addition to dwelling.

Owner—Jessa F. Moser, Premises.

Architect—None.

Contractor—Conrad Roth, 2117 Pacific
Ave., Alameda.

Filed Sept. 3, '19. Dated Aug. 21, '19.

Frame up..... 14

Interior work completed..... 14

Completed and accepted..... 14

Usual 35 days..... 14

TOTAL COST, \$1725

Bond, none. Limit, 40 days after
Aug. 21. Forfeit, none. Plans and
specifications filed.

DWELLING

(1936) W CHERRY 82 N Russell,
Berkeley. One-story 6-room dwlg.

Owner—John A. Blachoff, 5768 Shafer
Ave., Oakland.

Architect—None.

Day's work. COST, \$2500

DWELLINGS

(1937) S FIFTY-FOURTH 140 and
170 W Gaskill, Oakland. Two one-
story 5-room dwellings.

Owner—Dr. Lock.

Architect—None.

Contractor—C. E. Burks, 4152 Ran-
dolph Ave., Oakland.

COST, \$2000 each

DWELLING

(1938) NO. 2120 ALAMEDA AVE.,
Alameda. One and one-half-story
8-room dwelling.

Owner—J. W. Littleford, 100 Fern-
side Blvd., Alameda.

Architect—None.

Day's work. COST, \$3500

DWELLING, ETC.

(1939) NO. 1701 CENTRAL AVE.,
Alameda. One-story 8-room dwell-
ing and garage.

Owner—L. N. Worsard, Premises.

Architect—None.

Contractor—G. W. Stewart, 3010 Cen-
tral Ave., Alameda.

COST, \$4400

APARTMENTS

(1940) CEDAR 75 from Clinton,
Alameda. Two-story 10-room apart-
ments.

Owner—James Kitterman, 835 Cedar,
Alameda.

Architect—C. O. Clausen, Hearst Bldg.
San Francisco.

Contractor—P. R. Ward, 180 Jessie,
San Francisco.

COST, \$4500

ADDITION

(1941) NO. 2125 SAN JOSE AVE.,
Alameda. Addition.

Owner—Sara Jacobs, 3010 E-14th,
Oakland.

Architect—None.

Contractor—L. Swenson, 2242 Encinal
Ave., Alameda.

COST, \$479

DWELLING

(1940) NO. 3025 BATEMAN, Berke-
ley. One-story 4-room dwelling.

Owner—S. A. Sellers, 3023 Benvenue
Ave., Berkeley.

Architect—None.

Contractor—C. M. Stan, 2019 Dela-
ware St., Berkeley.

COST, \$2700

GARAGE

(1941) NO. 2401 WARD, Berkeley.
Garage.

Owner—Lucy McCoy Hardy, 1711
Parker St., Berkeley.

Architect—None.

Day's work. COST, \$400

ADDITION

(1942) NO. 166 HILLCREST ROAD,
Berkeley. Add to dwelling.

Owner—Mrs. Aileen B. Armstrong,
Premises.

Architect—None.

Contractor—S. J. Bertelsen, 565 16th,
Oakland.

COST, \$1750

DWELLING

(1943) S HAMPEL 65 E 14th Ave.,
Oakland. One-story 6-room dwlg.

Owner—Paul E. Woodburn, 3965
Greenwood Ave., Oakland.

Architect—None.

Day's work. COST, \$3000

DWELLING

(1944) SE HAMPEL AND 14th Ave.,
Oakland. One-story 6-room dwlg.

Owner—Paul E. Woodburn, 3965
Greenwood Ave., Oakland.

Architect—None.

Day's work. COST, \$3000

DWELLINGS

(1945) W TWENTY-NINTH AVE 295
and 328 S E-16th, Oakland. Two one-
story 5-room dwellings.

Owner—R. K. Larsen, 1550 28th
Ave., Oakland.

Architect—None.

Day's work. COST, \$3000 each

GARAGE

(1946) NO. 1203 OAK, Oakland. One-
story concrete garage.

Owner—T. W. Corder, Premises.

Architect—None.

Contractor—Fred H. Austin, 565 16th,
Oakland.

COST, \$1000

DWELLING

(1947) E EMERSON 120 N E-37th,
Oakland. One-story 6-room dwlg.

Owner—M. C. Vaughn, 5883 Ayala,
Oakland.

Architect—None.

Day's work. COST, \$3980

ALTERATIONS

(1948) NO. 1441 BROADWAY, Oak-
land. Alter rooming house to com-
ply with State law.

Owner—Dr. Geo. C. Pardee, Oakland.
Architect—None.

Contractor—J. F. Shrader, 520 16th,
Oakland. COST, \$3000

DWELLING

(1949) E MOUNTAIN BLVD. opp.
Chabot Observatory, Oakland. One-
story 3-room dwelling.

Owner—G. McCarthy, R. F. D. 227,
Oakland.

Architect—None.

Day's work. COST, \$500

DWELLINGS

(1950) N ETHURTY-SEVENTH 50,
90 and 120 E Emerson, Oakland.
Three one-story 6-room dwellings.

Owner—M. C. Vaughn, 5883 Ayala
Oakland.

Architect—None.

Day's work. COST, \$3980 each

ALTERATIONS

(1951) SE TWELFTH AND HARRI-
son, Oakland. Alterations.

Owner—Co-Operative Meat Co., Prem.
Architect—None.

Day's work. COST, \$500

DWELLING

(1952) LEONA HEIGHTH W of ob-
servatory, Oakland. One-story 2-
room dwelling.

Owner—F. F. Bear, 3628 Loma Vista
Ave., Oakland.

Architect—None.

Day's work. COST, \$400

DWELLING

(1953) W McADAM opp. Golden Gate
being Ptn Lot 25 Claremont Manor
Tract, Oakland. All work for two-
story 11-room dwelling.

Owner—Ellen C. Wood, 6602 Chabot
Road, Oakland.

Architect—None.

Contractor—Riddell Building Service Corp., 2247 Telegraph Ave., Bkly.
 Filed Sept. 5, '19. Dated Sept. 2, '19.
 Frame up\$4000
 Brown coated 4000
 Completed and accepted..... 4000
 Usual 35 days.....Balance
TOTAL COST plus 10%
 Bond, limit, forfeit, none. Plans and specifications filed.

COMPLETION NOTICES.

Alameda County.

Sept. 5, 1919—LOT 133, Map Higgins Tract, Bkly. Jas. W. Brazier to whom it may concern. Sept. 4, 1919
 Sept. 6, 1919—LOT 40 Roseland Park Okd. Willard W and Elizabeth D Shea to H C Pfrang. Sept. 3, 1919
 Aug. 28, 1919—LOT 23, BLK 4, 17-1742, San Pablo Park Addition, Berkeley. Greater City Lumber Co. to C. D. Vezey. Aug. 23, 1919
 Aug. 28, 1919—E DERBY AVE. 98.30 SW E-14th St., NW 38 SE 99.43, NE 38.13, NW 96.22, Oakland. Charles and Mattie Gordon to S. A. Warner. Aug. 28, 1919
 Aug. 28, 1919—LOTS 29 AND PTN lots 40, 41, 42 and 43, Blk. A, Map Broadway Terrace, Oakland. Chas. W. Gompertz to whom it may concern. Aug. 28, 1919
 Aug. 28, 1919—PTN BLOCK 16, Berkeley Villa Association, Berkeley. Kate R. Gompertz and Blanch E. Sawyer to Chas. W. Gompertz. Aug. 23, 1919
 Sept. 9, 1919—LOT 13 AND W 1/2 lot 14 block 16 map Lakeshore Highlands, Oakland. John Bake-well, Jr. to C M MacGregor. Aug. 30, 1919
 Sept. 3, 1919—E VIEW 30 S Mather No. 4338, Oakland. Isabella Stuart to whom it may concern. Aug. 3, 1919
 Sept. 3, 1919—LOT 12 and E 1/2 Lot 11 Blk 16 Map Lakeshore Highlands, Okd. Lakeshore Highlands Co to C M MacGregor. Aug. 30, 1919
 Sept. 3, 1919—(1) LOT 6 and SW 1/2 Lot 7 Blk 1; (2) Lot 8 and NE 1/2 Lot 7 Blk 1; (3) Lot 10 and SW 1/2 Lot 11 Blk 2, Map Havenscourt. Havenscourt Co to C B Deuble. Sept. 2, 1919

BUILDING CONTRACTS.

Fresno County.

(Correction in Contractor's Name.)
DWELLING, ETC.
 LOT 11, NORTH VAN NESS TCT., Fresno. Frame dwelling and garage.
 Owner—Charles L. Fink, 736 Dudley, Fresno.
 Architect—None.
 Contractor—Homer Garger, 1014 S-4th, Fresno.
COST, \$3950
FRAME DWELLING
 LOTS 33 AND 34 BLK 2 College Addition, Fresno. Frame dwelling.
 Owner—J. G. Porter, 940 Cambridge St., Fresno.
 Architect—None.
 Day's work. **COST, \$10,000**
DWELLING, ETC.
 LOTS 14, 15, BLK. 1, Bartlett Heights, Fresno. Frame dwelling and garage.

Owner—M. C. R. Nelson, 1247 I St., Fresno.
 Architect—None.
 Days work. **COST, \$4200**
DWELLING, ETC.
 LOTS 23, 24, BLK. 3, MAYWOOD, Fresno. Frame dwelling and garage.
 Owner—Blackwell Building Co., 202 Trust Co., Bldg., Fresno.
 Architect—None.
 Contractor—R. C. Blackwell, 1378 Wilson St., Fresno.
COST, \$3500
DWELLING, ETC.
 LOTS 2, 3, WILSON TRACT, Fresno. Frame dwelling and garage.
 Owner—R. O. Wilson, Fresno.
 Architect—None.
 Contractor—R. C. Blackwell, 1378 Wilson St., Fresno.
COST, \$12,500
DWELLING, ETC.
 LOTS 24, 25, BLK. 16, NORTH PARK Terrace, Fresno. Frame dwelling and garage.
 Owner—Blackwell Building Co., 202 Trust Co., Bldg., Fresno.
 Architect—None.
 Contractor—R. C. Blackwell, 1378 Wilson St., Fresno.
COST, \$7000
DWELLING, ETC.
 NO. 1228 DEL MAR AVE., Fresno. Frame dwelling and garage.
 Owner—N. Nelson, Fresno.
 Architect—None.
 Day's work. **COST, \$3000**
DWELLING, ETC.
 LOT 2, BLK. 13, HAZELWOOD, Fresno. Frame dwelling and garage.
 Owner—Fred Lowe, Fresno.
 Architect—None.
 Day's work. **COST, \$2500**
DWELLING, ETC.
 LOT 6, BLK. 26, HAZELWOOD, Fresno. Frame dwelling and garage.
 Owner—Geo. Kaye, 217 Abby, Fresno.
 Architect—None.
 Contractor—Dan Blosser, 3212 El Monte, Fresno.
COST, \$4000
REBUILD
 LOTS 17, 18, 19, BLK. 59, Fresno. Re-build old planing mill.
 Owner—W. H. Hollenbeck, Van Ness cor. Lorena, Fresno.
 Architect—None.
 Day's work. **COST, \$9000**
GARAGE
 LOTS 3, 4, 5, BLK. 53, Fresno. Garage.
 Owner—A. G. Wishon, 3543 Huntington Blvd., Fresno.
 Architect—None.
 Contractor—S. L. Allen, 530 Fort-camp, Fresno.
COST, \$9620
DWELLING
 NO. 212 ECHO AVE., Fresno. Frame dwelling.
 Owner—Marvin A. Peterson, 212 Echo Ave., Fresno.
 Architect—None.
 Day's work. **COST, \$2500**

DWELLINGS, ETC.
 LOTS 4, 5, 6, 7, 8, 9, LA SIERRA Tct. Fresno. Three frame dwellings and garages.
 Owner—C. C. L. & I. Co.
 Architect—None.
 Contractor—R. C. Blackwell, 1378 Wilson St., Fresno.
COST, \$4,000, \$4,250 and \$4,500

ELECTRIC WORK

FRESNO. Electrical work for bakery building.
 Owner—San Joaquin Baking Co., Fresno.
 Architect—None.
 General Contractor—R. Pedersen, 446 Clark, Fresno.
 Sub-contractor—Fresno Electrical Co., 2320 Tulare St., Fresno.
 Filed Aug. 29, '19. Dated Aug. 20, '19.
 Monthly75%
 Usual 35 days25%
TOTAL COST, \$8269
 Bond, \$4150. Sureties, Maryland Casualty Co. Forfeit, Limit, none. Plans and specifications filed.

SCHOOL

MENDOTA GRAMMAR SCHOOL DISTRICT, Fresno. School building.
 Owner—Mendota Grammar School District.
 Architect—Ernest J. Kump, Rowell Bldg., Fresno.
 Contractor—Jas. L. Daly, 702 G-McK. Bldg., Fresno.
 Filed Aug. 21, '19. Dated Aug. 21, '19.
 Monthly75%
 Usual 35 days25%
TOTAL COST, \$22,430
 Bond, \$16,822. Sureties, American Surety Co. Forfeit, \$10. Limit, 12 days. Plans and specifications filed.

HEATING & VENTILATING

LOTS 21, 30, BLK. 23, FIREBAUGH. Installation of heating and ventilating system in school building.
 Owner—Firebaugh Joint Grammar School District.
 Architect—Anton Johnson, Kingsburg.
 Contractor—Jas. A. Nelson, 509 6th St., San Francisco.
 Dated Aug. 20, 1919.
 December 15, 1919\$4,888
TOTAL COST, \$4,888
 Bond, \$2,444. Sureties, American Indemnity Co. Forfeit, none. Limit, 40 working days. Plans and specifications filed.

SCHOOL

CLAREMONT SCHOOL DISTRICT, Fresno. One-story brick and frame school.
 Owner—Claremont Grammar School District.
 Architect—Ernest J. Kump, Rowell Bldg., Fresno.
 Contractor—O. J. Ochs.
 Filed Aug. 21, '19. Dated Aug. 21, '19.
 Monthly75%
 Usual 35 days25%
TOTAL COST, \$34,000
 Bond, \$17,250. Sureties, Royal Indemnity Co. Forfeit, \$10. Limit, 125 days. Plans and specifications filed.

GARAGE
 LOTS 1, 2, 3, AND PART LOT 4, BLK. 65, Fresno. Garage.
 Owner—G. W. Dowda, 1455 I St.,
 Architect—None.

Contractor—A. Allen, 259 Blackstone,
Fresno.
COST, \$21,000

DWELLING
NO. 3228 "O" ST., Fresno. Frame
dwelling.
Owner—Mrs. E. Pink, 561 Van Ness,
Fresno.
Architect—None.
Day's work. COST, \$2200

DWELLING
LOTS 6, 7, BLG. 235, Fresno. Frame
dwelling.
Owner—Fred Kinzel, 441 "C," Fresno.
Architect—None.
Contractor—Karl Fogt and Pete Steinhauer, 2127 Poppy St., Fresno.
COST, \$2200

DWELLING, ETC.
LOT 7, BLK. 29, ALTA VISTA TCT.,
Fresno. Frame dwelling and garage.
Owner—C. R. Johnson, 1035 "P," St.,
Fresno.
Architect—None.
Contractor—Reese & Atkins, 3643
Platt St., Fresno.
COST, \$4200

DWELLING, ETC.
LOTS 3, 4, BLK. 15, ARLINGTON
Heights, Fresno. Frame dwelling
and garage.
Owner—L. W. Wilson, 1435 Wishon
St., Fresno.
Architect—None.
Contractor—C. Samuelson, 232 Yosemite St., Fresno.
COST, \$2150

DWELLINGS, ETC.
LOTS 27, 28, 31, 32, BLK. 4, Arlington Heights, Fresno. Two frame
dwellings and garages.
Owner—McMurry & McCabe, 837 "I"
St., Fresno.
Architect—None.
Contractor—Reese & Atkins, 3643
Platt St., Fresno.
COST, \$2750 each.

DWELLING
LOTS 13, 14, BLK. 11, WOODWARD
Add, Fresno. Frame dwelling.
Owner—Rose Starkel, 2042 Pearl St.,
Fresno.
Architect—None.
Contractor—J. W. Steele, 1339 "J" St.,
Fresno.
COST, \$2000

REPAIRS
NO. 2898 THOMAS AVE., Fresno. Repairs.
Owner—J. E. McMann, Premises.
Architect—None.
Day's work. COST, \$1500

DWELLING, ETC.
LOTS 39, 40, BLK. 23, McLMONT Add,
Fresno. Frame dwelling and garage.
Owner—C. M. Chitty, Fresno.
Architect—None.
Day's work. COST, \$3000

COMPLETION NOTICES.

Fresno County.

Recorded Accepted
Aug. 23, 1919—WILSON NORTH
Fresno Tct Lot 4, Blk 14, Fresno.
A-P Wilson to whom it may concern
Aug. 20, 1919

Aug. 26, 1919—LOTS 9 AND 10 BLK
6, North Park Terrace, Fresno. G
H Stivers to Geo Brashear.
Recorded Aug. 23, 1919
Accepted
Aug. 30, 1919—LOTS 86 AND 87 Del
Mar Tct, Fresno. E E Anderson
to whom it may concern. Aug 15, '19

FRESNO BUILDING TOTALS FOR AUGUST.

The following is a report of the
building operations for the month of
August, 1919, for the city of Fresno:

	Permits	Cost
New building	73	\$224,920
Total to date		1,694,116
Alterations & repair	43	\$2,227
Total to date		215,919

BUILDING CONTRACTS.

San Joaquin County.

BUILDING.
LOTS 8, 10, 12 AND 16, BLK. 18, East
Stockton. Concrete work for a two-
story Class "A" industrial building.
Owner—The Georges Co., 29 S-Aurora
St., Stockton.
Architect—None.
Contractor—J. A. Silver.
Filed Aug. 26, '19. Dated Aug. 9, '19.
COST, \$—

BRICK WORK ON ABOVE.
Contractor—Masow & Morrison, Mo-
nadnock Bldg., San Francisco.
Filed Aug. 26, '19. Dated Aug. 9, '19.
COST, \$—

STRUCTURAL IRON AND STEEL
work on above.
Contractor—Ralston Iron Works, 20th
and Indiana, San Francisco.
Filed Aug. 26, '19. Dated Aug. 9, '19.
COST, \$—

MILL WORK ON ABOVE.
Contractor—Pacific Mfg. Co., 177 Stev-
enson St., San Francisco.
Filed Aug. 26, '19. Dated Aug. 9, '19.
COST, \$—

CARPENTER WORK ON ABOVE.
Contractor—Joseph Chirhart.
Filed Aug. 26, '19. Dated Aug. 9, '19.
COST, \$—

PAINTING AND DECORATING ON
above.
Contractor—Geo. Markert, 348 E-8th
St., Stockton.
Filed Aug. 26, '19. Dated Aug. 9, '19.
COST, \$—

LATHING AND PLASTERING ON
above.
Contractor—Perry Bros.
Filed Aug. 26, '19. Dated Aug. 9, '19.
COST, \$—

SECRET METAL WORK ON ABOVE.
Contractor O. H. Miller and O. T.
Hays, 129 N-California, Stockton.
Filed Aug. 26, '19. Dated Aug. 9, '19.
COST, \$—

DWELLING, ETC.
PINCHOT AND OPHIR STS., Stock-
ton. Frame dwelling and garage.
Architect—None.
Owner—Ira W. Anderson, 24 E-Jefferson,
Stockton,
Day's work, COST, \$4200

DWELLING, ETC.
ARGONAUT AND PARK STS., Stock-
ton. Frame dwelling and garage.
Owner—G. W. Jacobs, 730 E-Acacia
St., Stockton.
Architect—None.
Day's work. COST, \$5430

FRAME COTTAGE, ETC.
SAN JOSE AND PARK STS., Stock-
ton. Frame cottage and garage.
Owner—F. M. Gauthier, Stockton.
Architect—None.
Day's work. COST, \$3650

FRAME DWELLING
S 222½ FEET LOT 5 BLK 4 Subd.
No. 2, Stockton Acres. One-story
frame dwelling.
Owner—A. L. Trievelpiece, Stockton.
Architect—None.
Contractor—Lee R. Burrow and Laur-
ence Hertzig, Stockton.
Filed Sept 2, '19. Dated Aug. 21, '19.
COST, \$—

ALTERATIONS
WEBER AVE., bet. Center and El
Dorado Sts., Stockton. Remodel
building.
Owner—Hale, Ingalls & Buckley,
Stockton.
Architect—None.
Day's work. COST, \$1275

BUILDING CONTRACTS.

Sacramento County.

BUILDING
E 39 FT OF W 60 FT LOT 3 AND W
1 ft. of E ¼ lot 3, L-M-6th-7th Sts.,
Sacramento. Building.
Owner—Albert Elkus and Edgar J.
Kay, 830 "K" St., Stockton.
Architect—None.
Contractor—George L. Herndon and
Henry Finnigan, 1714 16th St.,
Sacramento.
Filed Aug. 28, '19. Dated Aug. 25, '19.
COST, \$7000

ROOF
FIRST NATIONAL BANK BLDG.,
Sacramento. Corrugated iron roof.
Owner—Simpson Estate.
Architect—None.
Contractor—Latourrette - Fical Co.,
3431 Sacramento Blvd., Sacra-
mento.
COST, \$2000

BUILDING CONTRACTS.

Santa Clara County.

BUNGALOW
NO. 392 S. ELEVENTH ST., San Jose.
Six-room bungalow.
Owner—F. C. Nelson, 34 S-15th St.,
San Jose.
Architect—None.
Day's work. COST, \$5000

RESIDENCE
S-FIFTEENTH ST, near William, San
Jose. Seven-room frame residence.
Owner—A. K. Burkett, 204 Randall
Ave., San Jose.
Architect—None.
Day's work, COST, \$2800

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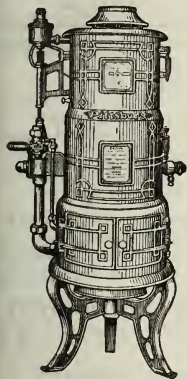
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J. P. FARRELL,.....Exchange Editor

American Association of Engineers

HIGHWAY MAINTENANCE.

By G. M. N.

A perusal of the first biennial report of the California State Highway Commission, of date of December 31, 1918, is not apt to give an engineer any inflated notions as to the ability of his profession being able to do for one dollar what any fool can do for two.

We extract the following:

"The maintenance of the State Highways is of ever growing importance." "At the close of the fiscal year in 1918, there were under maintenance 1,450 miles of highways constructed by the commission, 167 miles of paved highway which were on the state highway routes and which had been taken over from various counties, and 533 miles of mountain roads, most of which were under state control prior to the formation of the California Highway Commission, a total of 2,300 miles of roads and highways."

"The state highway maintenance work is financed wholly by the Motor Vehicle Fund which is derived from the fees paid annually by motor vehicle owners and operators into the state treasury."

"Under the present law (Vehicle Act of 1915, amended 1917, Chapter 218), after deducting from the total receipts of the Motor Vehicle Department, the balance remaining is divided into two equal parts, one part going to the State Motor Vehicle Fund for use in maintaining the state highways, the other part being paid to the several counties of the state for their use in maintaining the county roads."

"Following is the tabulation showing the amounts available for state highway purposes from the State Motor Vehicle Fund for each of the several calendar years since the Motor Vehicle Fund has been operative:

1914	\$ 591,228.57
1915	932,492.78
1916	964,784.65
1917	1,247,268.60
1918	1,395,817.89
Total	\$5,131,502.69

Assigned to State Engineer 586,450.86
Total available for use of California Highway Commission

\$4,545,141.83
"During the same period the counties have had available the sum of \$5,131,592.69 for expenditure on county roads."

"The expenditures for state highway maintenance and improvements for the several years during which the

Motor Vehicle Fund has been in existence follow:

1914	\$ 83,935.85
1915	47,894.40
1916	1,189,812.10
1917	772,483.15
1918 first six months.....	406,552.28

Total to June 30, 1918. \$2,907,677.78

"In addition to this total expenditure the sum of \$540,000 in round numbers was allotted but not expended by June 30, 1918."

"It is becoming increasingly apparent that more money will soon be needed for the upkeep of the State Highway than is provided by the existing law."

Of the 1450 miles of highway constructed by the Commission up to the end of the fiscal year 1918, 1,095 were paved and the contracts for these were let somewhat in the following order:

1912	132 miles
1913	184 miles
1914	402 miles
1915	248 miles
1916	58 miles
1917	58 miles
1918	13 miles

1095 miles

Comparing the first four years mileage let with the maintenance figures for 1914, 1915 and 1916, some rather astonishing figures reveal themselves. Contracts let 1912-1913.....316 miles
Maintenance cost 1914 ..\$365 per mile
Contracts let 1912-1914

718 miles
Maintenance cost 1915.....\$633 per mile
Contracts let 1912-1915.....966 miles
Maintenance cost 1916.....\$1231 per mile

The next year the war stepped in and put a stop to all road construction work for a time and normal conditions of activity are just about returning now so the maintenance figures for 1917 and 1918 do not tell the real story they would have told without the war paralysis. The types of roads in need of repair after being constructed only a couple of years are as follows:

Oiled concrete	933 miles
Oiled macadam	129 miles
Asphalt	33 miles

As we got about 1500 miles for the first 18 million dollars, we paid an average of \$12,000 per mile, and the maintenance cost per mile for 1916 showed \$1231, which is about 10% of the first cost, or in ten years at that rate we shall have paid out as much for maintenance as the original cost and we have still only started to pay

off on the bonds. Some of the good gravel roads that the farmers used to build were not any more expensive even if kept in good shape all the time.

77 MEN IN THE CITY ENGINEER'S OFFICE OF S. F. LAID OFF.

Seventy-seven employees of the engineering department of the Board of Works lost their jobs as the result of retrenchment by the Supervisors in their appropriation for the coming fiscal year. It was the most drastic wielding of the official ax recorded in many years in the history of municipal affairs. Sixty of the men laid off are actively employed in the City Engineer's office, while the other seventeen are away on leave of absence.

Two men on the appended list who were laid off were re-employed in other capacities. They were A. J. Cleary, listed as assistant civil engineer, and C. E. Healy, inspector. They have been made first and second assistant to Chief O'Shaughnessy. Those who lost their positions, according to the list given out by the City Engineer, were:

Assistant Civil Engineers—H. W. Swanzitz, F. G. Darlington, Samuel Hodes, F. K. Blue, G. I. Battelle, H. J. Schaufele, A. J. Cleary, O. J. Todd, R. J. Wood, G. R. Kline, W. J. Fitzgerald, L. A. Sanchez.

Supervising Assistant Engineer—F. A. Temple.

Engineer Draftsmen—F. M. Hyde, C. M. Fanning, F. E. Brown, J. C. Gard, H. L. Reinfield, B. E. Dunn, J. O. Hanson, Eugene Burjan, L. G. Tegtmeyer, J. O. Meyerink, Jr., B. A. Baird, C. A. Hoffman, U. G. Brown, F. E. Hackney, D. A. Riedy.

Surveyors—John Schlotzhaner, E. E. Tucker, F. W. Knox, D. A. Jones.

Field Assistants—E. E. Jordan, J. L. Drum, Simon Corinson, Ivan Flamm, Philip Williams, E. A. Garen, C. H. Stern, C. A. Gardiner, M. J. Callaghan, W. A. Smith, Jr., Raymond Grier, G. R. Code, J. F. Coughlan, J. E. McCarty, Clifford Jones, Howard Miller, W. H. Eggert, W. F. Kaiser.

Engineer Chemist's Assistant—James Reavey.

Photostat Operator—William Wankowski, Jr.

Inspectors of Streets and Stewers—G. V. Rhodes, T. W. Lundy, W. F. Donnelly, J. J. Casey, E. F. Muhlem, J. H. Ryan, Jr., E. J. Riordan, W. S. Morrill, H. V. Leffer, F. J. Lewis, J. Schlapp, A. B. Brown, L. B. Mercero, De Los

Murphy, H. K. Brainerd, C. H. Taylor, C. E. Healy, A. J. Wehner, M. D. Johnson, A. V. Rowhay, Edward I. Titlow, F. H. Spitzer, G. W. Purser, Louis McAttee, C. V. Patterson, W. J. Walsh, W. J. Harrington.

Is the Waiving Delegate providing new jobs?

O'SHAUGHNESSY CHOICES FOUGHT.

Civil service engineers recently suspended by the engineering department of the Board of Works are preparing to contest the appointment of A. J. Cleary and C. E. Healy as first and second assistants to City Engineer M. M. O'Shaughnessy. It is contended that Cleary and Healy are lower in civil service rating than some of the men now out of their places.

The matter has been placed before the Civil Service Employees' Association and a ruling is to be asked from the Civil Service Commission. One of the members of the association in stating the case said:

"We do not contend that the City Engineer has not the right to appoint any one he sees fit from the civil service list for his first and second assistants. But we do contend that he must confine himself to that list.

"Five of the men laid off are higher on the list than Cleary. We shall claim before the Civil Service Commission that O'Shaughnessy can take any man say from twenty-five on the list. But we shall also claim that Cleary being lower on the list than the first twenty-five he should not be preferred.

"C. E. Healy, who has been made the second assistant, is not even rated as an engineer. We do not believe that in either selection O'Shaughnessy has considered civil service rules and regulations.

RINCON HILL CUT IS NOW POSSIBLE.

With the passage of an ordinance modifying the method of making street grades and establishing assessment districts, the San Francisco Supervisors have taken the first official step looking to the leveling of Rincon Hill. The proposed changes were made as the result of studies that have been made in the Rincon Hill section and are being made to meet the requirements as they have developed in the investigation.

It will make possible to include in an assessment district properties now under water, but which will be benefited by reason of the fact that they will be filled in by earth removed from Rincon Hill.

IT IS TO LAUGH.

Just What the Property Owners Wanted Done Five Years Ago.

That Porterville property owner in front of whose property the Federal Construction Company laid paving five years ago, will yet pay for the work if the company has to tear up every bit of it and do it over again, was the declaration of J. A. Dowling and W. F. Hanrahan, president and secretary of the company.

They declared they are backed by the Portland Cement Association of

America and that organization will stand the cost if necessary.

The Portland Cement Association of America is very much worried about spending its money patching up bum paving jobs in California or elsewhere.

NEWS FROM NATIONAL HEAD-QUARTERS.

In addition to obtaining the recent increases in the salaries of professional engineers in the Northwestern Region of the United States Railroad Administration, the American Association of Engineers has effected an increase in salaries in the Eastern Region. The schedule was announced on August 28. A complete report of the methods being pursued in the railroad campaign, a resume of the results obtained to date, and a forecast of the results expected to follow those already obtained, will be made at a meeting of the Chicago Chapter of the Association in the evening of September 12th, at the City Club, 315 Plymouth Court, Chicago.

The American Association of Engineers has issued a request to each of its 6600 members to write to his congressman requesting his support of the Jones-Reavis Bill providing for a National Department of Public Works. Instructions are being issued to each chapter and club containing means of stimulating local interest in this bill and of obtaining the support of the voters in each community.

M. A. Long, architect and assistant to the Chief Engineer of the Baltimore and Ohio Railroad, Lines East, has resigned. Mr. L. P. Kimball, Bridge Engineer of the Lines West, has been promoted to the position vacated by Mr. Long's resignation. Mr. Kimball has been secretary of the Cincinnati Chapter of the American Association of Engineers.

The Committee of the American Association of Engineers on salaries of Engineers in Public Service has made such progress with a schedule of salaries of highway engineers that the final report, including the schedule will be submitted in the early fall in full time for discussion prior to making up budgets and planning for next year's legislatures. The organization of the committee is such as to receive the support and advice of the leading engineers of the groups of engineers most concerned in the schedules.

The Committee on Salaries of Engineers in Public Service consists of A. N. Johnson, Consulting Highway Engineer of the Portland Cement Association as Chairman; A. R. Hirst, State Highway Engineer of Wisconsin; S. C. Hadden, Editor of "Municipal & County Engineering," and F. H. Newell, President of the Association. The committee has selected as corresponding members on schedules for highway engineers. Thos. H. McDonald, Director U. S. Office of Public Roads; W. L. Basset, Bureau of Municipal Research; Col. W. D. Uhler, Chief Engineer State Highway Department of Pennsylvania; A. B. Fletcher, State Highway Engineer of California; A. W. Dean, Chief Engineer Highway Commission of Massachusetts; Clifford

Older, Chief Engineer State Highway Commission of Illinois, and H. G. Shiley, Secretary Highway Industries Association. The next schedule to be undertaken will be that of municipal and county engineers, and the corresponding members of this schedule are now being elected.

FREE EXPERT ADVICE TO THE PUBLIC.

By Cedric B. Smith.

The public has had plenty of advice and admonition on such subjects as sickness, the making of wills and what steps to take in obtaining redress for personal injuries, through the fast flowing pens of doctors and lawyers literally inclined. As to whether the tendency on the part of certain members of these professions has been due to a necessity of eking out a slender income by the preparation of material for publication, or whether it is due to a natural inclination for such work there is no clue. Suffice it to say that the medical and legal professions have contributed a great deal of professional knowledge to the readers of our daily papers and other periodicals.

Engineers have had their spectacular achievements, such as the digging of the Panama Canal, the boring of some of the tunnels under the river in New York City, and the finally successful erection of the last span in the Quebec bridge, chronicled in the more or less indefinite fashion that always distinguishes the efforts of non-technical writers in handling a technical subject, but seldom have they attempted to give the public the benefit of their experience along engineering lines. The average citizen, never having been told, does not realize that many millions of dollars are being wasted every year as the result of having paving, sewers, filtration plants and other public works constructed under the direction of non-technical political appointees, nor does he understand that the notorious H. C. L. is one of the direct descendants of Misdirection of Public Works.

The American Association of Engineers realizes that as the one representative of engineering organizations in the United States, its duties include the presentation to the public of that information which will enable it to insist that the money appropriated for public improvements be used in a systematic way to accomplish the purpose for which it is intended, and under the direction of an engineer instead of a butcher, a baker or a candlestick maker appointed because of his value to the local political "organization."

In order that the public may become informed of these things and upon other phases of the engineering profession, the great engineers of the country are being urged to give to the laymen the benefit of their experience. The American Association of Engineers, or A. A. E., as it is usually referred to, is having prepared by some of these engineers pertinent accounts of the misuse of public funds which has occurred in the past, the evils which exist today, and the remedial measures which may be advocated.

Dr. Frederick H. Newell, President of the American Association of Engineers (Continued on Page 23)

OFFICIAL ENGINEERING POSITIONS IN CALIFORNIA.
The Compensation Committee of the San Francisco Chapter, A. A. E., has started a survey of all official engineering positions in the State of California in order to create a sound basis for an intelligent wage study. We have compiled all the official information attainable from reports and other public documents, and invite the engineers of California to send us any information possible that will ring our data up to date. We shall print our data as we proceed in compiling it, and when all corrections have been made and the report is up to date, it will be published in full so we shall have a basis to work on in the future that is well worth the labor.

COMPENSATION COMMITTEE, S. F. CHAPTER,
A. A. E.,
GEORGE M. NELSON, Chairman.
Consulting Engineer

LOS ANGELES COUNTY.

Surveyor Dept.

(County Civil Service)

	Per Month.
Surveyor	\$300.00
Chief Deputy	275.00
Bridge Engineer for Joint Service with Road Dept.	225.00
Senior Civil Engineers	175.00
Junior Civil Engineers or Senior Draftsmen	140.00
Junior Draftsmen	115.00
Counter Deputy	130.00
Admon. and Chairmen not to exceed 15 at any time (\$2.50 per day)	75.00
Instrument men as needed	100.00

Mechanical Dept.

Chief Mech. Engineer	\$225.00
Office and Laboratory Engineer	150.00
Mechanical Engineer	150.00
Erecting Engineer	140.00
Superintendent of Garage	150.00
Supervisory Architect	175.00
10 to 1 per cent commission on plans designed for new buildings.	

Road Dept.

Road Commissioner	\$500.00
Supt. Highway Maintenance	300.00
Supt. Highway Construction	275.00
Supt. Paved Ways	160.00
Research and Cost Accountant	150.00
Office Asst. Highway Maintenance	150.00
Senior Civil Engineers and Draftsmen	140.00
Junior Civil Engineers and Draftsmen	115.00
Bridge Engineer	225.00
Asst. Highway Engineers	110.00
Senior Office Engineer	175.00
Senior Civil Resident Engineers	175.00
Junior Civil Resident Engineers	140.00
Road Construction Engineers	175.00
Bridge Draftsmen, Sr., Structural	175.00
Bridge Draftsmen, Jr., Structural	125.00
Surveyors	140.00
Transitmen	100.00

Flood Control Dept.

MADERA COUNTY.

Surveyor per diem, \$10

MARIN COUNTY.

Surveyor Fees

MARIPOSA COUNTY.

Surveyor Fees

MENDOCINO COUNTY.

Surveyor Fees

MERCED COUNTY.

Surveyor Fees

MODOC COUNTY.

Surveyor Fees

MONO COUNTY.

Surveyor Fees

MONTEREY COUNTY.

Surveyor per year, \$1300

Allowed actual traveling expenses incurred in connection with field work and cost of preparing maps, plats, tracings, etc., for the Assessor when directed by him.

NAPA COUNTY.

Surveyor Fees

Allowed actual necessary traveling expenses incurred in connection with field work, and actual necessary expenses and cost of supplies in preparing maps, plats and diagrams for the Assessor or other county officers when directed to prepare the same. All fees, commissions or other compensation allowed to the Surveyor in other counties of other classes except fees or charges for surveys made for private persons and not directed by the Board of Supervisors or county officers for county uses or purposes, shall be collected by the Surveyor and turned into the county treasury and no part thereof except such fees or charges for such private surveys, shall be retained by him as part of his compensation.

NEVADA COUNTY.

Surveyor Fees

ORANGE COUNTY.

Surveyor per day, \$8.00

(When actually employed)

PLACER COUNTY.

Surveyor Per Diem

(And necessary expenses)

PLUMAS COUNTY.

Surveyor Fees

RIVERSIDE COUNTY.

Surveyor per year, \$1500

Allowed necessary expenses for field deputies and the actual cost of preparing Assessor's maps, whenever a complete set of such maps is ordered prepared by the Board of Supervisors, said cost not to exceed \$1800.

SACRAMENTO COUNTY.

Surveyor per year, \$2400

Allowed all necessary expenses for work performed in the office and all necessary expenses and transportation for work performed in the field. Whenever the Board of Supervisors shall or the Assessor may require Assessor's map or block books, the Surveyor shall receive in addition to the salary above noted \$1500 additional expenses expenses required for the preparation and completion of said map or block books.

SAN BENITO COUNTY.

Surveyor Fees

SAN BERNARDINO COUNTY.

Surveyor per year, \$2400

2 Deputies (\$3000) per year, \$1500

Highway Commissioner per year, 2400

SAN DIEGO COUNTY.

Surveyor per year, \$3600

12 Deputies \$13,860

Additional deputies allowed for limited days for necessary work specified in Chapter 682 of 1913 Statutes.

Allowed such additional assistants as may be necessary for field work at \$3 per day and expenses when working in the field.

SANTA CLARA COUNTY.

Surveyor per year, \$3000

3 Deputies (\$3750)

Allowed all necessary transportation and expenses for work performed in field and in the official discharge of his duties.

SAN FRANCISCO (CITY AND COUNTY).

No Surveyor or other County Engineer.

SAN JOAQUIN COUNTY.

Surveyor per year, \$2400

1 Deputy per year, 1800

Allowed actual, reasonable and necessary expenses when engaged in the field or in the office in the discharge of his official duties.

SAN LUIS OBISPO COUNTY.

Surveyor per year, \$1500

1 Deputy per year, 900

Allowed actual traveling and necessary expenses incurred in field work, and shall, when directed by Assessor, prepare maps, plats or block books for the use of Assessor at actual cost of preparing the same.

SAN MATEO COUNTY.

Surveyor per year, \$1600

Allowed traveling expenses and necessary expenses in the field.

(Continued Next Week.)

ADVANCE NEWS

Official Proposals, Etc.

Building.

APARTMENT HOUSES

Ready for Figures in a Few Days.

ADDITION Cost, \$7,000
SAN BRUNO, San Mateo Co., Cal.

Add one story to present frame one-story building for apartment of 8 rooms.

Owner—Not Given.

Architects—Morrow & Garren, Chronicle Bldg., San Francisco.

Plans Being Figured.

ALTERATIONS Cost, \$30,000
SAN FRANCISCO, Golden Gate Ave. and Steiner St.

Alter 12 flats into 24 apartments of 3, 4 and 5 rooms each.

Owner—Mr. Schmidt.

Architect—O. E. Evans, 2569 Mission St., San Francisco.

Segregated Figures Being Taken.

APARTMENT HOUSE Cost, \$10,000
SAN FRANCISCO, SE Ellis and Polk Streets.

Six-story Class "C" reinforced concrete apartment house, 35 2-room apts.

Owner—Thos. and Philip Bannan.

Architect—C. O. Clausen, Hearst Bldg., San Francisco.

SAN FRANCISCO.—Architect S. Helman, 57 Post Street, San Francisco, will take figures next week for heating, plumbing and painting for the four-story and basement brick apartment house building on the south side of California street west of Divisadero street for the Lafayette Investment Co.

Segregated Figures Being Taken.

APARTMENTS Cost, \$—
PATTERSON, Stanislaus Co., Cal.

Two-story brick store and apartment building, four stores and 4 4-room apartments.

Owner—J. H. Evans.

Architects—Reed & Corlett, Oakland Bank of Savings Bldg., Oakland.

BANKS

Plans to Be Prepared.

BANG BUILDING Cost, \$15,000
KNIGHTS LANDING, Yolo Co., Cal.

Fireproof bank building.

Owner—Douglas McGriff, Woodland.

Architect—W. H. Weeks, 75 Post St., San Francisco.

NOTE.—It is planned to erect a building on the same lines as that of the Bank of Alex. Brown at Walnut Grove, Cal.

Contract Awarded.

ALTERATION Cost, \$6,000 to \$8,000
SAN FRANCISCO, No. 161 Market St. Interior alterations to bank.

Owner—Seaboard National Bank.

Architect—B. G. McDougall, Sheldon Bldg., San Francisco.

Contractors—Chas. Stockholm & Son, Monadnock Bldg., San Francisco.

Bids in and Under Advisement.

ALTERATIONS Cost, \$85,000
RENO, Nevada. Virginia and Second Streets.

Alter two-story brick bank building. (Artificial stone exterior, marble and bronze fixtures, etc.)

Owner—Washoe County Bank.

Architects—H. H. Winner Co., Humboldt Bank Bldg., San Francisco.

CHURCHES

Plans Being Prepared.

CHURCH Cost, \$—
LOS ANGELES, North Workman St., near N Broadway.

Brick church, 50x80.

Owner—East Los Angeles Christian Church.

Architect—Robert H. Orr, 1301 Van Nuys Bldg., Los Angeles.

Plans Being Prepared.

CHURCH Cost, \$30,000
LOS ANGELES, N W 5th St. and Westmorland avenue.

Church.

Owner—Church of the New Jerusalem (Swedenborgian), Rev. John R. Hunter, 1007 Elden avenue, Los Angeles.

Architect—David Ogilvie, Pasadena.

Preliminary Plans Prepared.

CHURCH Cost, \$75,000
MONTECITO, Santa Barbara Co., Cal. Spanish style fireproof church.

Owner—Carmelo Catholic Church. Rev. Father A. Serra, Pastor.

Architect—Bertram Goodhue, 2 W. 47th St., New York.

FACTORIES & WAREHOUSES

Plans Nearing Completion.

MILK HANDLING PLANT Cost, \$80,000.

SEATTLE, Wash. Eastlake and Fairview Avenues.

Two-story and basement brick milk handling plant, 110x110.

Owner—A. Kristoferson.

Architect—Ellsworth Storey, New York Bldg., Seattle, Wash.

Plans to Be Prepared.

CANNERY BUILDINGS Cost, \$—
OAKLAND, Alameda Co., Cal. Tidal Canal and High St., 12 acres.

Frame and concrete cannery buildings

Owner—Bisceglia Bros., Monterey Road, San Jose.

Architect—Not Selected.

It is planned to have the cannery ready for the Spring of 1920, but if certain arrangements cannot be made, construction will be delayed a year.

Plans Being Prepared.

FACTORY BLDGS. Cost, \$—
PASADENA, Los Angeles Co., Cal.

South Marengo Avenue.

Two one-story reinforced concrete and brick factory buildings, with two wings 100x80, 60x80 and 300 x260.

Owner—Warnerlite Co.

Architects—W. P. Shepherd & Herber A. Hamm, Central Bldg., Los Angeles.

CHINO, San Bernardino Co., Cal.—Libby, McNeill & Libby, who have purchased the Chino cannery, will spend \$250,000 on new buildings and machinery, according to A. H. Cooke Chino real estate dealer, who is handling the local business for the firm. Preliminary plans provided for a two or three-story reinforced concrete building with pressed brick front to cost \$100,000.

Contract Awarded.

CREAMERY, ETC. Cost, \$—
SALINAS, Monterey Co., Cal. Alisal and Monterey Streets.

Concrete creamery, bakery and garage.

Owner—Breschini Bros., Salinas, Cal.

Designer and Contractor—Wallace & Bush, Bank of San Jose Bldg., San Jose.

Ready for Figures Wednesday.

FACTORY Cost, \$15,000
SAN FRANCISCO, NE Fifth and Folson Streets.

Two-story brick and reinforced concrete factory building.

Owner—Pacific Bag Co.

Architect—S. Heiman, 57 Post St., San Francisco.

Bids will be taken for a general contract.

HANFORD, Kings Co., Cal.—Swift & Co., of Chicago, will erect a reinforced concrete and brick creamery building, 75x125 feet, at Hanford. Bids are now being taken.

Plans Being Prepared.

MOTION PICTURE PLANT. Cost, \$150,000

LOS ANGELES, Melrose and Crescent avenues (20 acres).

Motion Picture Producing Plant to serve 30 producing companies.

Owner—Paul Studios, Inc.

Architect—E. Fossler, 6434 Hollywood Blvd., Los Angeles.

FIRE HOUSES AND JAILS

Plans Being Figured.

FIREHOUSE Cost, \$—
REDWOOD CITY, San Mateo Co., Cal.

Two-story brick and concrete firehouse and memorial hall.

Owner—City of Redwood City.

Architect—J. R. Miller, Lick Bldg., San Francisco.

Plans may be obtained from Mr. Miller's office for a deposit of \$10 to be returned on return of plans. Bids will be taken for a general contract.

GARAGES

Plans Prepared.

GARAGE Cost, \$20,000
PORTLAND, Ore. 21st and Morrison Streets.

Two-story mill construction brick ga-

rage (59x166x60x108 irregular)
Owner—Nautilus Investment Co., Yeon Bldg., Portland, Ore.
Architects—Folger, Johnson & James Parker, Associate, U. S. Bank Bldg., Portland, Ore.

Contract Awarded.
GARAGE Cost, \$63,000
LOS ANGELES. No. 1726-30 N-Spring Street.

Reinforced concrete garage, 30x284 and a reinforced concrete machine shop, 80x198.

Owner—Standard Oil Company.
Architect—None.

Contractor—Earl F. Low, 343 Wilcox Bldg., Los Angeles.

Plans Being Prepared.

GARAGE. Cost, \$—
LOS ANGELES. Figueroa St. north Pico St.

Two-story and basement Class "A" garage building, 100x150.

Owner—J. A. Graves.
Lessee—Maxwell-Hoffman Co., agents for Studebaker autos.

Architect—Morgan, Walls & Morgan, 1124 Van Nuys Bldg., Los Angeles.

GOVERNMENT WORK AND SUPPLIES

Contract Awarded.
STRUCTURAL SHOP Cost, \$491,000
Limit, 200 days.

MARE ISLAND, Cal.
Completion of structural shop.

Owner—U. S. Government.
Architect—None.

Contractor—Clinton Constr. Co., 140 Townsend St., San Francisco.

SUPPLIES FOR THE NAVY—Navy Department, Bureau of Supplies and Accounts, Washington, D. C.—Sealed bids will be received here for furnishing supplies under schedules as follows:

Closing date noted at end of each paragraph.

Schedule 4497, for Puget Sound, 2 band saws, 4 chuck columns, 2 platform and crane scales, miscellaneous cylinder boring and pipe threading machines and 2 electric welders, opening of September —. Closing date not set.

Schedule 4498, for any yard, station or other point in the United States, miscellaneous tires, tubes and casings, opening of September 30.

Closing Date Not Set on the Following
Schedule 4501, f. o. b. works, 49 propellers.

Schedule 4505, for Puget Sound, 2 turret lathes.

Schedule 4506, for Puget Sound, 1 power hacksaw, 5 arbor presses and 2 cutting cold saws.

Schedule 4507, for Puget Sound, 4 bench drills, 1 centering machine and 3 percussion lathes.

Schedule 4508, for Puget Sound, 4 radial drills and 6 drill presses.

Schedule 4509, for Puget Sound, 2 buffing machines and various kinds of grinders.

Schedule 4519, for Puget Sound, 6 grinding machines.

Schedule 3519, for Puget Sound, 6 milling machines.

Schedule 4520, for Puget Sound, 1 crank slotter and 1 cutting machine.

Schedule 4521, for Puget Sound, miscellaneous engine lathes.

Schedule 4522, for Puget Sound, 3 planers, 2 turret lathes and 2 boring mills.

Schedule 4523, for Puget Sound, 4 crank shapers.

Schedule 4524, for Puget Sound, 2 boring, drilling and milling machines.

For further information address the bureau of supplies and accounts, Navy Department, Washington, D. C.

SAN FRANCISCO CIRCULAR 52—Zone General Supply Depot, Fort Mason, San Francisco, Calif.—Bids are wanted until September 22, 1919, circular 52, for furnishing 200 gallons

crude carbolic acid, 20 gallons muriatic acid, 2,000 bottles, 2,000 pounds absorbent cotton, 8,000 pounds excelsior, 4,000 gallons embalming fluid, 4,000 gallons formaldehyde, 2,000

coffins, 150 ligatures, 300 pounds plaster paris, 10,000 yards white sheeting, 3,617 pounds solder, 250 pounds

sponge, 4,000 metal tags, 200 spools machine thread, 8,000 feet stone wire and 60,000 square feet sheet zinc. For further information address the above office.

BENICIA, Cal.—The following bids were received September 12th by Colonel O'Hern, Commandant at Benicia Arsenal, for the construction of a one-story brick, hollow tile and concrete artillery storehouse building.

Robert Trost, 26th and Howard Sts., San Francisco, submitted the lowest bid at \$115,988 and will probably be awarded the contract.

Robert Trost, S. F. \$115,988
Alfred H. Vogt, S. F. 135,456
McLeran & Peterson, S. F. 137,500

Navy Department, Washington, D. C., Office of the Chief of the Bureau of Yards and Docks.—Sealed bids are wanted until September 24, 1919, for extension to building 178, navy yard, Puget Sound, under Specification 4069.

Plans for this work have already been taken out by the American Bridge Co. of Washington, D. C.

HALL AND SOCIETY BUILDINGS.

Plans Being Prepared.

Y. M. C. A. BLDG. Cost, \$150,000
LONG BEACH, Los Angeles Co., Cal.

Three-story and basement brick Y. M. C. A. Bldg., 150x90.

Owner—Y. M. C. A.

Architects—W. Horace Austin, Long Beach and E. L. Mayberry, 463 Pacific Electric Bldg., Los Angeles.

Preliminary plans have been approved.

Preliminary Plans Complete.

CLUB BLDG. Cost, \$20,000
SALINAS, Cal. Lincoln Ave. adjoining City Hall.

Two-story frame women's club building.

Owner—Withheld.

Architect—Jas. A. Magee, 661 Phelan Bldg., San Francisco.

HOSPITALS

OAKLAND, Cal.—The following bids were received September 11th by the County Clerk of Alameda County for extensive alterations to a two-story frame hospital building at the County

Hospital near San Leandro:

W. M. Maurice, 505 E-22nd St., Oakland, submitted the lowest bid at \$52,000. Plans were prepared by Henry H. Meyers, Kohl Bldg., San Francisco.
W. M. Maurice, Oakland, \$52,000
R. W. Littlefield, Oakland, 65,469
E. T. Leiter, San Francisco, 59,787
McLeran & Peterson, S. F. 58,700
W. G. Thornally, Oakland, 60,975
Bids were taken under advisement.

SAN FRANCISCO.—The following bids were received by the Board of Public Works for the completion of the southeast and northeast wings of the San Francisco Hospital:

O. Monson, \$47,945 (a) \$500; (b) \$4,700; (c) \$3,400; (d) \$4,400; (e) \$1,400.
A. H. Vogt, \$70,983; (a) \$1,250; (b) \$6,000; (c) \$4,300; (d) \$5,700; (e) \$2,500
Anderson & Ringrose, \$59,333; (a) \$1,000; (b) \$7,500; (c) \$5,000; (d) \$5,500; (e) \$1,000.

Preliminary Plans Being Prepared.
HOSPITAL Cost, \$600,000

OAKLAND, Alameda Co., Cal. Corner 31st St. and Telegraph Avenue.

Seven-story Class "A" hospital building.

Owner—East Bay Sanatorium, 3113 Telegraph Ave., Oakland.

Architects—Reed & Corlett, Oakland Bank of Savings Bldg., Oakland.

Sketches Prepared.

HOSPITAL Cost, \$—
TAFT, Keri Co., Cal.

Fireproof hospital.

Owner—Dr. Galehouse, Taft, Cal.

Architect—Thos. Wiseman, Morgan Bldg., Bakersfield, Cal.

Plans Being Figured. Bids Close Oct. 7, 1919, 11 A. M.

HOSPITAL BLDGS. Cost, \$—
VENTURA, Ventura Co., Cal.

Two-story reinforced concrete hospital building.

Owner—Ventura County.

Architect—Albert C. Martin, 430 Higgins Bldg., Los Angeles.

Plans and specifications are on file with the Clerk of the Board of Supervisors of Ventura County, and at the office of the Architect. A deposit of \$20 will be required from all contractors receiving plans.

HOTELS

MARYSVILLE, Yuba Co., Cal.—Fred Peardon, 513 4th St., has received word from Washington that his offer to erect a building in Marysville for the U. S. Post Office has been accepted.

Construction of the building will be started in the near future.

Peardon plans to erect a three or four-story building with rooms on the upper floors and the post office quarters on the ground floor.

POWER PLANTS

Contract Awarded.
SUB-STATION Cost, \$—

TORRANCE, Los Angeles Co., Cal.

Two and three-story reinforced concrete Class "A" sub-station building, 54x142.

Owner—Southern California Edison Co. Architect—Eng. Dept. of Owner.

Contractor—K. R. Bradley, 1925 E-16th

PUBLIC BUILDINGS

PETALUMA, Sonoma Co., Cal.—The City Council has directed the City Clerk to arrange for the preparation of plans for the proposed annex to the City Hall for housing the city machinery.

MARTINEZ, Contra Costa Co., Cal.—The City Trustees are planning the erection of a municipal garage to house city machines and equipment for the water superintendent. The building will be of corrugated iron and wood construction.

SAN RAFAEL, Marin Co., Cal.—The City Council has instructed Councilmen Clarke, Conway and Riede to secure estimates of cost for installing an oil heating plant in the municipal baths.

RICHMOND, Contra Costa Co., Cal.—Plans will be presented at the next meeting of the City Council, A. C. Faris, City Clerk, for the erection of a one-story garage building to be erected in the rear of the City Hall.

MODESTO, Stanislaus Co., Cal.—The M. G. West Company, 365 Market St., San Francisco, has been awarded the contract for metal furniture for the recorder's office at Modesto. Contract price, \$1,165.45.

Plans Being Prepared.
NATATORIUM Cost, \$300,000
LOS ANGELES, Fourth St., Bet. Vermont Ave. and New Hampshire St. Large natatorium.
Owner—Dr. Elmer E. Stone.
Architect and Contractor—Milwaukee Bldg. Co., Wright & Callender Bldg., Los Angeles.

Plans Being Figured. Bids Close Sept. 20, 1919.

ADMINISTRATION BLDG.
Cost, \$500,000.
LOS ANGELES, Cal. University Grounds.

Three-story brick and reinforced concrete administration building, 254 by 167.

Owner—University of Southern California.

Architect—John Parkinson, 420 Title Insurance Bldg., Los Angeles.

Bids are being taken separately on the general contract, structural steel, plumbing, heating, electric wiring and painting.

RESIDENCES

Working Drawings Being Prepared.

RESIDENCE Cost, \$15,000
SAN FRANCISCO, Bush Street E of Taylor Street.

Two-story Class "C" residence (10 rooms, operators' quarters and garage).

Owner—City and County of San Francisco.

Architect—John Reid Jr., 1st National Bank Bldg., San Francisco.

Plans Being Figured.

RESIDENCE Cost, \$10,000
SAN FRANCISCO, SE Palm and Euclid Avenues.

Two-story frame residence (7 rooms).
Owner—Miss S. Simpson.

Architect—E. E. Young, 251 Kearny St., San Francisco.

Owner Taking Segregated Figures.
RESIDENCES Cost, \$6,000 to \$8,000 each.

BERKELEY, Thousand Oaks.
Nine two-story frame residences (6 to 9 rooms each).

Owner—J. M. Booth, Claus Spreckels Bldg., San Francisco.

Architect—Sidney E. Newsom, Nevada Bank Bldg., San Francisco.

Construction will be started on the first one immediately.

Contract Awarded

RESIDENCE Cost, \$40,093
SAN FRANCISCO, NE Buchanan and Vallejo Streets.

Two-story brick and frame residence
Owner—B. F. Schlessinger, Cr. Emporium.

Architect—Clarence Tantau, 519 California St., San Francisco.

Contractor—Walter Sorensen, 3219 Ellis St., Berkeley.

Plans Being Figured.

RESIDENCE Cost, \$8,500
YUBA CITY, Sutter Co., Cal.

Two-story frame residence, garage and tank house.

Owner—C. K. Schnabel, New Castle.
Architect—Chester Cole, Chico, Cal.

Segregated Figures Being Taken.

RESIDENCE Cost, \$6,000
SAN FRANCISCO, E Seventeenth Ave. 250 S Anza Street.

Two-story frame residence (7 rooms).
Owner—W. Fisher.

Architect—C. O. Clausen, Hearst Bldg., San Francisco.

RESIDENCE Cost, \$30,000

Segregated Figures Being Taken.
PIEDMONT, Alameda Co., Cal.

Two-story frame and brick residence (14 rooms and 5 bathrooms, separate garage with living quarters).

Owner—H. W. Harrold.
Architect—Sidney E. Newsom, Nevada Bank Bldg., San Francisco.

Plans Being Prepared.

RESIDENCE Cost, \$11,000
MENLO PARK, San Mateo Co., Cal.

One-story and basement frame residence (8 rooms and separate garage.)

Owner—A. Enten.
Architect—S. Heiman, 57 Post Street, San Francisco.

NAPA, Napa Co., Cal.—More than \$25,000 has been subscribed by the Napa Home Building Corporation, recently formed to carry on a business of "erecting substantial homes and buying and selling same at the lowest possible cost." A. A. Chisholm of the Napa Chamber of Commerce is President of the Company.

Plans Being Figured.

RESIDENCE Cost, \$5,500
SAN FRANCISCO, Plymouth Ave., Westwood Park.

One-story frame residence (6 rooms and basement garage.)

Owner—Withheld.
Architect—Miss Ida McCall, 318 Kearny St., San Francisco.

Plans Being Prepared.

RESIDENCE Cost, \$—
SATICOY, Ventura Co., Cal. Near Saticoy.

Two-story hollow tile residence (9 rooms and 3 bathrooms.)

Owner—H. C. Sharp.
Architects—Hunt & Burns, 701 Laughlin Bldg., Los Angeles.

SAN FRANCISCO, Cal.—Architect

Clarence Tantau, Clunie Bldg., is taking figures for the heating for the two-story and basement frame residence of B. F. Schlessinger at the northeast corner of Vallejo and Buchanan Sts., for which Walter Sorensen of Berkeley is the general contractor.

C. C. Severin was awarded the electric work; Frederick Snook Co., the plumbing and A. J. Neill, 193 Collingwood, the painting.

Plans Being Prepared.

RESIDENCE Cost, \$—
HOLLYWOOD, Los Angeles Co., Cal.

Two-story and basement brick residence, 10 rooms, 3 bathrooms.

Owner—Not given.
Architect—Harwood Hewitt, 1130 Van Nuys Bldg., Los Angeles.

Preliminary Plans Being Prepared.

RESIDENCE Cost, \$—
LOS ANGELES, Wilshire District.

Two-story brick residence, 15 rooms and 4 bathrooms, separate garage, etc.

Owner—Not given.
Architect—Harwood Hewitt, 1130 Van Nuys Bldg., Los Angeles.

Contract Awarded.

RESIDENCE Cost, \$70,000
PASADENA, Los Angeles Co., Cal.

South Orange Grove Avenue.
Hollow tile residence.

Owner—A. J. Wigmore.
Architects—Reginald D. Johnson and

Gordan E. Kaufman, 100 E. Colorado St., Pasadena.

Contractor—Petre Hall, 769 North Marengo Ave., Pasadena.

SCHOOLS

Plans Being Figured. Bids Close

Sept. 25, 1919, 4 P. M.
ADDITION Cost, \$—

NORTH SACRAMENTO, Cal. North Sacramento School District.

Two school additions.
Owner—North Sacramento School District.

Architect—A. W. Norris, 1013 10th St., Sacramento.

Plans and specifications are now on file and may be seen at the Builders' Exchange, 1013 10th St., Sacramento.

VALLEJO, Solano Co., Cal.—The

Board of Education has purchased five lots on Carolina street between Colusa and Monterey streets with the intention of enlarging the school building in that block. As funds for the improvements are not available, construction will not be started for some time.

Contract Awarded.

SCHOOL Cost, \$204,072
LONG BEACH, Los Angeles Co., Cal.

American Avenue.
Fireproof grade school.

Owner—Long Beach School District.
Architects—John C. Austin, 1125

"Baker-Detwiler Bldg., Los Angeles and W. Horace Austin, 1st National Bank Bldg.
Contractor—J. D. Sherer, 1400 Elm Ave., Long Beach.

F. E. Newberry Electric Co., 724 S. Olive St., Los Angeles, was awarded electrical work contract at \$4572.

Plumbing, heating and ventilating, and program clock bids were taken under advisement. Bids received for painting and tinting were rejected.

FOWLER Fresno Co., Cal.—September 18th is the date set to vote on the question of issuing and selling bonds of \$150,000 with which to finance construction of a new high school building for the Fowler Union High School District which includes the districts of Iowa, Horace Mann, and Magnolia.

Architects Allison & Allison, Hibernian Bldg., Los Angeles, are preparing the plans.

Plans Being Prepared.
SCHOOL Cost, \$50,000
NEAR SAN FRANCISCO. Bay District.

Reinforced concrete school.

Owner—Withheld.

Architect—Jas. A. Magee, 661 Phelan Bldg., San Francisco.

BERKELEY. Alameda Co., Cal.—Bids will be received by the Board of Education, Nellie L. Crowl, Secretary, 2133 Allston Way, Berkeley, up to September 30th, 4 P. M., for furnishing the necessary materials, tools and labor for the doing of certain Brick Work and Artificial Stone Work for the construction of alterations and additions at the Edison School, situated on the south side of Oregon street, between Grant street and McGee avenue, in accordance with plans and specifications on file in the office of Walter H. Ratcliff, Special Architect, Room 21, First National Bank Bldg., Berkeley.

Plans Being Figured. Bids Close Sept. 23, 1919, 7 p. m.

SCHOOL. Cost, \$90,000
EL SEGUNDO.

Brick school buildings.

Owner—El Segundo School District.
Architect—Train & Williams, 226 Exchange Bldg., Los Angeles.

Practically all of the work will be included in one contract, separate bids being taken only for gas radiators, terra cotta vent pipes and motor fans, and for complete piping and sanitary equipment, electric motor pumps, etc., for the plunge.

Plans Being Prepared.
SCHOOL BLDGS. Cost, \$117,000
ANAHEIM. Orange Co., Cal.

Two one-story hollow tile grammar school buildings.

Owner—Anahelm School District.

Architects—Jeffery & Schaefer, 1106 Kerckhoff Bldg., Los Angeles.

Plans to be Ready for Figures in About Two Weeks.

SCHOOL. Cost, \$—
BERKELEY. Alameda Co., Cal. Thous- and Oaks.

One-story hollow tile school building.

Owner—City of Berkeley.

Architect—W. C. Hays, 1st National Bank Bldg., San Francisco.

Plans Completed.

ADDITION Cost, \$125,000
SEATTLE. Wash. Third Avenue N. W.

and W. 80th St.

Two-story and basement fireproof school addition (10 class rooms, 162x42).

Owner—City of Seattle (Greenwood School).

Architect—F. A. Naramore, School Architect, Seattle, Wash.

Commissioned to Prepare Plans.

SCHOOL Cost, \$150,000
or more.

GRASS VALLEY. Nevada Co., Cal. Lowrey Tract, bet. Auburn and Marshall Streets.

One and two-story concrete or brick high school building.

Owner—Grass Valley High School District.

Architects—Wm. Mooser and Horace B. Simpson, Associated, Nevada Bank Bldg., San Francisco.

Plans Being Figured.

SCHOOL Cost, \$—
LOS ANGELES. 47th and Main Sts.

Two-story and basement brick Parochial school building (12 rooms.)

Owner—Holy Cross Catholic Church.

Architect—A. B. Benton, 114 N-Spring St., Los Angeles.

Plans Being Figured. Bids Close Sept. 15, 1919, 9 A. M.

SCHOOL Cost, \$50,000
CALEXICO. Imperial Co., Cal.

One-story 9-room fireproof school building.

Owner—Calexico School District.

Architect—Samuel B. Zimmer, El Centro, Calif.

Bids will be taken separately on the general contract and for plastering. Certified check or bid bond for 5% required with each bid. C. B. Moore, Clerk.

Contract Awarded.

SCHOOL Cost, \$24,877
LITTLE LAKE. Los Angeles Co., Cal.

Hollow tile school (all work, except plumbing.)

Owner—Little Lake School District.

Architects—Allison & Allison, Hibernian Bldg., Los Angeles.

Contractor—A. Schliem, Riverside.

YUBA CITY. Sutter Co., Cal.—The Supervisors have sold the \$8,000 bond issue of the Nicolaus School District. Proceeds of the sale will finance the construction of a new school building.

CHICO. Butte Co., Cal.—L. Van Vlack, Chico, who recently secured the contract at \$15,575 for the construction of sanitary systems for six of the school buildings, has been allowed to withdraw from his contract owing to his inability to secure bondsmen. On recommendation it was voted to allow Van Vlack to proceed with the system at the Chapmanton and the Nord avenue schools under the day labor plan, the work not to exceed \$3,300 in cost.

New bids for the balance of the work will be called in the near future. Plans were prepared by Architect Chester Cole of Chico.

GRASS VALLEY. Nevada Co., Cal.—The Board of Education has accepted the gift of the Lowrey Tract, between

Auburn and Marshall streets, as the site for the proposed new high school building.

The selection of an architect to prepare plans for the new structure will be made by the Board in the near future.

BERKELEY. Cal.—The following contracts were awarded by the Board of Education of the City of Berkeley for the construction of additions to four schools as follows:

John Muir School. Frame Addition.

Jas. W. Placheck, Architect.
Excavating, Concrete, Etc.

Jepsen Bros.\$10,670
Carpentry, Etc.

Mathew Morton\$47,777
Plastering.

Wm. Makin\$5,893
Painting.

Jas. Cahill & Co.\$3,100
Plumbing.

F. W. Snook & Co.\$4,257
Tile Work.

Scott Co.\$398
Electrical Work.

Kings Electrical Co.\$1,657
Heating and Ventilating.

W. K. Nottingham\$14,133.30
Francis Willard School. James W.

Placheck, Architect.

Carpentry, Glass and Glazing, Sheet Metal and Iron.

C. D. Vezey\$31,357
Plastering.

William Makin\$5,485
Plumbing.

J. E. O'Mara\$3,673
Tile Roof.

Gladding, McBean & Co.\$3,260
Tile Work.

Rigney Tile Co.\$837
Electrical Work.

B. T. White\$713
Heating and Ventilating.

Scott Co.\$5,476
Edison School. One-story Brick Addition.

W. H. Ratcliff Jr., Architect.

Carpentry.

C. Christensen & Son\$21,864
Plastering.

Geo. Dixon\$850
Painting.

D. Zelinsky & Co.\$1,720
Plumbing.

F. W. Snook & Co.\$4,385
Electrical

Kings Electrical Co.\$745
Heating.

Scott Co.\$2,991
Tile Work.

Rigney Tile Co.\$2,297
Burbank School. W. H. Ratcliff Jr.,

Architect.

Carpentry, Glass and Glazing, Sheet Metal and Iron.

S. J. Bertelson\$30,950
Plastering.

Geo. Dixon\$2,987
Plumbing.

Eugene Erhart & Son\$3,418
Tile Work.

Robert Howden\$2,158
Electrical Work.

Berkeley Electrical Co.\$845
Heating and Ventilating.

Scott Co.\$4,479

STORES AND OFFICES

Plans Being Prepared.
DEPARTMENT STORE Cost, \$100,000
BAKERSFIELD. Kern Co., Cal. Chag-
ter Ave. and 20th St.

Three-story and basement reinforced concrete department store building, 132x115.

Owner—Conklin-Brodek Estates.
Lessee—Hochheimer & Co.
Architect—Orville Clark, 414 Browser Bldg., Bakersfield, Cal.

Plans Nearing Completion.

DEPARTMENT STORE
Cost, \$100,000.

MODESTO, Stanislaus Co., Tenth St., adjoining County Board of Trade Building.

Two-story and basement (with mezzanine) reinforced concrete and brick department store, 140x100.

Owner—The Thompson Co. Directors
J. A. Dun and W. A. Neil of Modesto and E. J. O'Brien and John A. Walker of Los Angeles.

Architects—Walker & Eisen, Hibernian Bldg., Los Angeles, Cal.
(29845) 1st report Aug. 30, 1919.

Plans Being Prepared.

OFFICE BLDG. Cost, \$1,000,000
SALT LAKE CITY, Utah.

Twelve-story Class "A" office building, 100x115.

Owner—Withheld.

Architect—John Parkinson, 420 Title Insurance Bldg., Los Angeles.

Plans Being Prepared.

STORE BLDG. Cost, \$750,000
SACRAMENTO, Cal. Sixth and "K" Streets.

Twelve-story and basement steel and concrete store building.

Owner—John Brunner Co., 604 "K" St., Sacramento.

Architect—E. C. Hemmings, 1203 "J" St., Sacramento.

Plans Being Prepared. To be Done by

STORE BUILDING Cost, \$—
RICHMOND, Contra Costa Co., Cal.

Macdonald Avenue.

One-story brick store building.

Owner—Withheld.

Architect—J. T. Narbett, 910 Macdonald Ave., Richmond.

PLUMBING CONTRACT AWARDED.

SAN FRANCISCO.—Contractors Barrett & Hulp, Sharon Bldg., are taking figures for the electrical work on the addition to Livingston building at Geary street and Grant avenue.

W. F. Wilson, 328 Mason St., has been awarded the contract for the plumbing. Plans were prepared by Architect G. A. Lansburgh.

Segregated Figures Being Taken.

MARKET BLDG. Cost, \$3,000
SAN FRANCISCO. SE Courtland Ave.

58 S. Moultrie St.

One-story reinforced concrete and frame market building.

Owner—John Battaglia.

Architect—C. O. Clausen, Hearst Bldg., San Francisco.

Contract Awarded. Sub-figures to be Taken.

OFFICE & STORE BLDG. Cost, \$500,000 approximately.

FRESNO, Fresno Co., Cal. "J" and Fresno Streets.

Twelve-story Class "A" office and store building, 50x150.

Owner—A. Mattel, 202 "T" St., Fresno.

Architect—Eugene Mathewson, Cory Bldg., Fresno.

Contractor—Lindgren Co., Monadnock Bldg., San Francisco.

The contract for wrecking the buildings on the site has been awarded to the United Wrecking Co.

There will be a power and water plant independent of city service.

Plans Being Prepared.

OFFICE BUILDING Cost, \$100,000
SAN FRANCISCO. N Pine St., bet. Front and Davis, W of Oceanic Building.

Two-story and basement Class "A" office building (frame to be added enough for 6 additional stories)

87½ foot frontage.

Owner—Ames-Harris Neville Co., 100 Potrero Ave., San Francisco.

Architect—J. R. Miller, Lick Bldg., San Francisco.

The entire first floor will be used for offices of the owners.

Contract Awarded.

POST OFFICE Cost, \$9,945
SAN FRANCISCO. NW Masonic Ave.

and Haight Street.

One-story brick branch post office with frame "L".

Owner—Sol Goldberg.

Architect—S. Heiman, 57 Post St., San Francisco.

Contractor—John Spargo, 240 Montgomery St., San Francisco.

Other bids received were:

J. Harold Johnson.....\$10,230
Val Franz & Son.....10,435

Ruegg Bros.10,979

A. D. Collman.....11,862

Duncan & Co.....12,141

Thos. Cavanaugh.....12,385

Contract Awarded.

STORE BLDG. Cost, \$11,000
SANTA ROSA, Sonoma Co., Cal. 4th

Street and Exchange Avenue.

One-story brick and reinforced concrete store building (3 stores).

Owner—Santa Rosa Savings Bank.

Architects—Reed & Corlett, Oakland Bank of Savings Bldg., Oakland.

Contractor—W. L. Proctor, 1000 Spring St., Santa Rosa.

THEATRES

Plans to be Prepared.

THEATRE Cost, \$—
SAN FRANCISCO. No. 3350 Mission

St., near 29th (Lyceum Theatre).

One-story Class "A" motion picture theatre.

Owner—Withheld.

Architects—Reid Bros., 105 Montgomery St., San Francisco.

Contract Awarded.

MOTION PICTURE PLANT
Cost, \$250,000.

LOS ANGELES, Cal. Santa Monica Blvd. and La Brea Ave.

Frame motion picture plant.

Owner—Jess D. Hampton Productions Company.

Architect and Contractor—Milwaukee Bldg., Co. 315 Wright & Callender Bldg., Los Angeles.

Contract Awarded.

MOTION PICTURE STUDIO
Cost, \$150,000.

EAST LOS ANGELES, Los Angeles Co., Cal.

Frame motion picture studio plant.

Owner—W. S. Selig.

Lessee—Louis B. Mayer.

Architect and Contractor—Milwaukee Bldg., Co. 315 Wright & Callender Bldg., Los Angeles.

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PACIFIC PIPE CO.,
232 Main Street San Francisco

Plans Being Prepared. Contract Awarded.

THEATRE Cost, \$200,000
PASADENA, Los Angeles Co., Cal.

North Raymond Ave. N of Holly St.

Reinforced concrete and hollow tile theatre building, 103x175.

Owner—Pasadena Theatre Co.

Architect—Cyril Bennett, 313 Kendall Bldg., Pasadena, Cal.

William C. Crowell, 440 Chamber of Commerce Bldg., is one of the directors of the company and will erect the building.

Engineering

BRIDGES, DAMS & HARBOR WORK

SAN ANDREAS, Calaveras Co., Cal.

No bids were received by the County Supervisors for the construction of the proposed reinforced concrete bridge at O'Neill's Crossing on the Bellota-Valley Springs Road and the Clerk was instructed to call for new bids to be opened on October 6th, 1:30 P. M.

Bids will also be opened on the same date for the reconstruction complete of the so-called Donnellan Bridge crossing the Calaveras River on the highway between the towns of San Andreas and Mokelumne Hill. Lumber and all material used in the reconstruction is to be furnished by the County of Calaveras.

Plans and further information may be had from A. W. Poe, County Clerk at San Andreas.

LOS ANGELES, Cal.—The United Dredging Co., 325 Central Bldg., Los Angeles, submitted the lowest bid at approximately \$806,750 for constructing silt diversion works near Long Beach and Los Angeles harbors. The Foundation Co. of New York, submitted the next lowest bid at approxi-

matly \$842,900. The bids do not include freight on the rock for revetments and jetties, which will be paid by the U. S. Government, which is doing the work. The United Dredging Co., proposed to get its rock from the Declez quarry and the Foundation Co. from the Temescal quarry. As the former quarry is the nearer the United Dredging Co. will retain the advantage of being the low bidder and it is expected a contract will be awarded as the price is within the government appropriation. Col. Downing, U. S. district engineer, will forward his report and recommendation to the Board of Engineers at Washington on June 14.

One bid mailed in time to have reached Los Angeles before the opening on August 30 was received and considered. It is for part of the work only as follows:

Fred C. Franks Contracting Co., San Francisco—Div. B alone: 35c cu. yd.; \$2.38 ton. Divs. A and B together: 86½c cu. yd.; \$2.25 ton. (2806) 1st report June 14; 5th Sept.

NAPA, Napa Co., Cal.—Bids will be received by the County Supervisors, James A. Daley, County Clerk, up to September 22nd, 10 A. M., for the construction of a reinforced concrete bridge across Milliken Creek on the Foss Valley Road. Plans may be had from the County Clerk at Napa.

WILLOWS, Glenn Co., Cal.—Materials are on the ground and work will be started shortly by Contractor F. H. Nelson of Orland on the proposed concrete bridge to span Stony Creek at Winslow. The structure will consist of one span and will be 112 feet in length and will rest on stone abutments on both sides. The estimated cost is \$24,000. Plans were prepared by County Surveyor Bayard Knock.

RED BLUFF, Tehama Co., Cal.—Bids will be received by the County Supervisors, H. G. Kuhn, County Clerk, up to October 2nd, 10 A. M., for the construction of a reinforced concrete bridge across Dry Creek, on the route of the East Side State Highway, in Road District No. 3.

BAKERSFIELD, Kern Co., Cal.—Until October 6, bids will be received by the County Supervisors for constructing a cedar pile bridge 7 feet long and 20 feet wide over the Miller & Lux outlet canal, 34 miles southwest of Bakersfield.

PETALUMA, Sonoma Co., Cal.—The City Council has awarded a contract to Schlunegger Bros., Santa Rosa, for the construction of the new bridge across Thompson Creek in Fourth street. The following is a complete list of the bids received:

	Bid	Cu. Yd.	for extras
Call Constr. Co.....	4862	19.00	
T. Souker	\$4950	\$31.00	
W. J. Proctor.....	4443	17.00	
Schlunegger Bros.	3413	22.00	
W. Dontaville	1149	28.50	
Jno. Rocca	3590	20.00	
D. E. Albers	4700	15.00	
C. H. Gildersleeve.....	4497	30.00	
L. C. Lamber.....	4855	26.00	

SEATTLE, Wash.—County Engineer Sam Humes has recommended to the

King County Commissioners a bond election for \$3,000,000 with which to finance the construction of bridges.

SACRAMENTO, Cal.—Revised plans for the proposed Mawson bridge have been presented by the Sutter County Supervisors to the State Reclamation Board for approval. The plans will be considered at the meeting of September 11th.

The original plans were not approved for the reason that provisions were not made for placing the piers far enough to meet flood conditions in the slough during the winter period.

REDDING, Shasta Co., Cal.—Owing to the financial condition of the county bridge funds, the Supervisors have decided to abandon proceedings providing for the construction of the Millville bridge, bids for which were received a short time ago. Repairs to the present structure will be made by County Engineer Wiegell, who estimates the work to cost about \$500.

REDDING, Shasta Co., Cal.—Bids will be received by the County Supervisors, S. N. Witherow, County Clerk, up to October 8th, 10 A. M., for the construction of the following reinforced concrete wagon bridges in Shasta County:

- 1 Reinforced concrete bridge across Grizzly Gulch.
- 2 Reinforced concrete bridge across Whiskey Creek.

Said bridges being on Division 2, Route B, Redding and Tower House lateral.

Plans Being Figured. Bids Close Sept. 23, 1919, 11 A. M.

SCHOOL Cost, \$—
HERMOSA BEACH, Los Angeles Co., Cal. Pier Avenue.
One and two-story brick school building.

Owner—Hermosa Beach City School District.
Architect—Herbert C. Howard, 619 Broadway Central Bldg., Los Angeles.

Bids will be received for the different parts of the work separately as follows: (1) for the general work; (2) for the plumbing, drainage, sewerage and gas fitting; (c) for electric wiring; (d) for heating and ventilating; (e) for electric lighting fixtures; (f) for painting.

REDDING, Shasta Co., Cal.—The County Supervisors have released F. A. Zimmerman from his contract for the construction of the Whiskey Creek Bridge at \$1,100 owing to a mistake in submitting his bid. New bids were ordered received for the structure up to October 1st.

Bids were also ordered received on the same date for the construction of a bridge across Grizzly gulch on the Redding-Tower House lateral. Plans and further information may be had from the County Clerk.

SACRAMENTO, Cal.—The following bids were received and rejected by the State Reclamation Board on September 11th, for the construction of reinforced concrete revetment upon portions of

of Turlock.
the levees of the Sacramento By-pass together with toe walls and toe aprons.

This work will be located at the Eastern end of the Sacramento By-pass, near the west bank of the Sacramento River in Yolo County, about three miles up-stream from the City of Sacramento.

The bid of Cotton Macauley Co., 16 California St., San Francisco, was accepted, but the company asked to withdraw their bid on account of an error of approximately \$6,000.

New bids will be received until September 16th, 1919.

Cotton-Macauley \$40,758.48
Ross Constr. Co. 49,153.33
Healy-Tibbitts Constr. Co. 54,715.25
L. S. Atkinson Jr. 57,653.35

Plans, specifications and all other desired information, can be secured at the office of the State Reclamation Board at the address given below.

STATE RECLAMATION BOARD,
825 Forum Bldg., Sacramento, Cal.

VISALIA, Tulare Co., Cal.—The County Supervisors have awarded two contracts for bridges to Edgar Noble, 707 W-Mineral King Ave., Visalia, he being the only bidder. The structures are reinforced concrete bridge over South Fork of Kaweah River at \$2,550, and reinforced concrete bridge over Yokohl Creek near Merryman at \$1,844.70.

OAKLAND, Cal.—The District Attorney will shortly render an opinion as to the authority of the County Supervisors to pay the cost of repairing and enlarging the concrete bridge over the San Leandro Creek on East Fourteenth street. If a favorable opinion is given plans for the work will be ordered.

The San Leandro Trustees recently requested the Supervisors to appropriate funds for the work.

NEWPORT BEACH, Orange Co., Cal.—Seven bids for harbor improvement work at Newport Beach were received by the Orange County Harbor Commission at Santa Ana on September 3, and were referred to the harbor engineers, Leeds & Barnard, Central Bldg., Los Angeles, for tabulation and report. Bonds to the amount of \$500,000 have been voted. Indications are the bids are in excess of the amount, although it remains to be determined to what extent alternate proposals may avail on the project. Bids were taken separately on seven segregations of the work, as follows: Extension of existing jetty, jetty at new mouth of Santa Ana river, earth fill dam at Bitter Point, excavation for new mouth of Santa Ana river, dredging channel in harbor, dredging channel over bar, building wharf and warehouse and building spur railroad track. Following are the unit bids:

W. M. Ledbetter Co., Los Angeles—
Rip rap, jetty extension, \$3.67 ton per 20,000 to 25,000 tons; \$4.37, 15,000 to 20,000 tons; new jetty, \$3.07, 20,000 to 30,000 tons; \$3, 30,000 to 35,000 tons; \$2.93, 35,000 to 40,000 tons; \$2.85, 40,000 to 45,000 tons, \$2.79, 45,000 to 50,000 tons; estimates based on \$1 ton freight from quarries. Earth fill dam at Bitter Point, 80c cu. yd.; excavation new mouth Santa Ana river, 80c cu. yd.; crescent piling, \$1.04 lin. ft.; untreated round piling, 61c lin. ft.; sheet piling, \$125 per M ft. B. M.; all

timber in deck of wharf, \$85 per M. ft.; steel frame and corrugated iron warehouse, \$6400; plain concrete, \$18 cu. yd.; spur track, \$7.50 lin. ft.; switches, \$500 each.

Ross Construction Co., Sacramento—Earth fill dam at Bitter Point, 36.4c cu. yd.; excavation new mouth of Santa Ana river, 36.4c cu. yd.

Los Angeles * Dredging Co.—All dredging, 12.47c cu. yd.

Mercereau Bridge & Construction Co., Los Angeles—Wharf, creosoted piling, \$112 lin. ft.; untreated round piling, 62½c lin. ft.; sheet piling, \$85.10 per M. ft.; deck structure, \$73.37 per M. ft.

United Dredging Co., Central Bldg., Los Angeles—Jetty extension, \$2.50 ton new jetty, \$1.80 ton; prices not including freight, \$1 to \$1.20 ton; rock from Declez quarries. Dam at Bitter Point, 50c cu. yd.; excavating new mouth Santa Ana river, 25c cu. yd.; dredging channel Newport bay, 12½c cu. yd.; dredging channel over bar, 25c cu. yd. Wharf, untreated piling, \$36.368 (44c lin. ft. piling, \$66.50 per M for lumber); wharf, creosoted piling, \$45.798 (85c lin. ft. piling and \$66.50 for lumber). Warehouse Plan No. 1—steel frame and corrugated iron with louvers, \$6137; alternate bid, end ventilators, \$5687. Plan No. 2—\$6519; using Armco iron, \$6664. Plan No. 3—\$7370; using Armco iron, \$7515. Plan No. 4, \$7750; using Armco iron, \$7700. Prices do not include foundation or floor. Lumber for warehouse adjacent to wharf, \$66.50 per M; piles 64c lin. ft.; plain concrete, \$15 cu. yd.; spur track, \$3 lin. ft.; switches, \$400 each. Alternate proposal: Bar dredging, for each reduction of 25,000 down to 200,000 cu. yds, increase price 1c cu. yd.; channel dredging, each reduction of 100,000 down to 1,200,000 cu. yds., increase price ½c cu. yd.; river outlet jetties, each reduction of 1000 down to 15,000 tons, increase price 3c ton; excavating new mouth Santa Ana river, each reduction of 10,000 down to 20,000 cu. yds., increase price 1c cu. yd.; alternate design for wharf, plan to be submitted, lump sum, \$25,000; alternate design for track, reducing cost by \$3000.

San Francisco Bridge Co.—Dredging channel in bay, 17.6c cu. yd.; over bar, 30c cu. yd.

Union Iron Works, Los Angeles—(No check accompanying bid) warehouse, with louvers, \$6137; end ventilators, \$5685.

OROVILLE, Butte Co., Cal.—T. H. Polk, Chico, has been awarded a contract by the Supervisors for the construction of the concrete bridge near the Warren Green place on his bid of \$7,575.

MARTINEZ, Contra Costa Co., Cal.—After considering the recommendations of F. E. Quail, County Surveyor of San Joaquin County, the Contra Costa County Supervisors have decided to pay half the cost of re-planking the Old River Bridge, the other half to be paid by San Joaquin County. This work will cost between \$1,200 and \$1,300. J. H. Wells is County Clerk at Martinez.

MARTINEZ, Contra Costa Co., Cal.—Plans prepared by County Engineer Ralph R. Arnold for the construction

of two bridges located, 1 on San Pablo Creek on Road No. 21, between Stations 63x14 and 64x98 of Division No. 15, the other, on Wild Cat Creek on Road No. 15 between Stations 42x20 and 42x70 of Division No. 15 of County Highway, have been adopted and bids for construction have been ordered received up to October 6th, 11 A. M. Plans may be had from County Clerk J. H. Wells.

SAN RAFAEL, Marin Co., Cal.—An election will be held in Sanitary District No. 1, Marin County, September 15th, to decide on the re-organization of the District under the provisions of an act of the State Legislature entitled "An act to provide for the formation, government, operation, re-organization, dissolution and alteration of boundaries of sanitary districts in any part of the state, for the construction of sewers, septic tanks, and other sanitary disposal of sewerage matter, etc." J. E. Manning is Secretary of the District.

HANFORD, Kings Co., Cal.—The County Supervisors have awarded a contract to the Cotton-McCauley Co., 16 California Street, San Francisco, for the construction of the concrete bridge over Kings river south of Kingsburg on their bid at \$31,512.

The cement will be furnished by the county, it having been purchased through the office of Fred Cutler, County Purchasing Agent.

MODESTO, Stanislaus Co., Cal.—The County Supervisors have decided to spend \$90,000 for the construction of bridges, culverts and syphons during the year 1919-1920, according to the recommendations of County Engineer J. H. Hoskins. The program adopted by the County Supervisors follows: Road District No. 1.

Bridge on Eugene-Knights Ferry road, half mile southeast of Eugene. Bridge on Eugene-Knights Ferry road 1.1 miles southeast of Eugene.

Bridge over Modesto Irrigation District main canal on Paulsell road, half mile north of Waterford.

Bridge over branch of Dry Creek on Waterford-Paulsell road, five miles north of Waterford.

Bridge over branch of Dry Creek two miles west of Warnerville.

Bridge over branch of Dry Creek one mile west of Warnerville.

Bridge on Waterford-La Grange road at the foot of Rariden Hill, 5½ miles east of Roberts Ferry.

Road District No. 2.

Bridge over Peaslee Creek on Hickman-La Grange road, near Lafayette school.

Bridge over Turlock Irrigation District Lateral No. 3 half mile east of state highway.

Bridge over T. I. D. lateral No. 4, half mile north of Washington school.

Bridge over T. I. D. lateral No. 5, two miles west and two miles south of Turlock.

Bridge over T. I. D. lateral No. 5, one mile west and two miles south.

Bridge over Turlock main canal on the East Turlock road, 2½ miles from Turlock.

Road Districts No. 3 and 4.

Bridge over Modesto Irrigation Dis-

trict lateral No. 4, on Maze avenue.

Bridge over M. I. D. lateral No. 3, on Carver road.

Bridge over M. I. D. lateral No. 4, on Virginia avenue at the Modesto city limits.

Bridge on Church road, quarter mile north of Highway at Empire.

Road District No. 5.

Bridge on Sycamore avenue over El Salado Creek at Patterson.

Bridge on Sycamore avenue over Patterson main canal.

Bridge over El Salado Creek one mile west of Patterson.

Bridge over a dry slough on Newman-Hills Perry road, 3½ miles from Newman.

IRRIGATION WORK

MADERA, Madera Co., Cal.—Preliminary steps for the formation of the Madera Irrigation District have been taken according to E. M. McCordie, attorney for the district and petitions are being signed up successfully.

Complete working drawings for the necessary construction are now being completed by Engineer Louis C. Hill, Hollingsworth Bldg., Los Angeles.

DANVILLE, Contra Costa Co., Cal.—Preliminary steps for the formation of the proposed Danville Irrigation District were taken when Harold R. Kelly was elected as director and Alex G. Bell selected as Secretary-Treasurer.

At a recent meeting the preliminary plans for the district were presented by Engineer Stephen E. Kleffer, 67 Post St., San Francisco, and met with approval. The plans call for the construction of an earthen dam 92 feet high impounding sufficient water of the winter flood for 1500 acres of land. Concrete lined canals, including the dam, are estimated to cost \$224,000, this being the preliminary estimate.

After a legal formation, a bond issue will be called to secure funds to finance construction.

OROVILLE, Butte Co., Cal.—State Engineer W. F. McClure has notified the Butte County Supervisors that he has approved the petition of Carlton Gray, F. E. Ford and others for an irrigation district to be known as the Oroville-Wyandotte Irrigation District.

The district will comprise about 16,000 acres. With the construction of the canals, ditches and laterals the petitioners will be possible and the petitioners will immediately proceed to complete all plans necessary for the installation of the system.

LIGHTING SYSTEMS

PETALUMA, Sonoma Co., Cal.—The City Council has awarded a contract to Bauer & Baugh, 156 Main St., Petaluma, for the installation of the electrolier system in Kentucky street at \$1,400. The only other bidder was the Newbery Electric Co., at \$1,695.

MACHINERY

SAN LEANDRO, Alameda Co., Cal.—The City Trustees have abandoned their intention to purchase a steam roller for use in the City Street Department.

SAN ANDREAS, Calaveras Co., Cal.—The Supervisors have awarded a contract to the American Laundry Machinery Co., of San Francisco, for furnishing the following machinery for use in the County Hospital:

One 32x18 Ideal, Style "A" wood washer, single gear galvanized trimmings—End header, \$317.
One 30x12 American Junior drying tumbler with galvanized cylinder—Reverse header, \$716.

One 24-in. Extractor, with safety cover, self-balancing device, automatic spindle, oiling device and belt tightener—Angle countershaft, \$404.

One No. 11111 Hagen double chest, single roll flat-work ironer—Equipped with ribbon feed, \$700.

The only other bidder was the Troy Laundry Machinery Co., of San Francisco.

LOS ANGELES, Los Angeles Co., Cal.—Until 3 P. M., September 23, bids will be received by the Board of Public Service, Knickerbocker Bldg., for one motor-driven triplex pump in accordance with specifications No. P-209, on file in the office of the Board. Jas. P. Vroman, Secretary.

BERKELEY, Alameda Co., Cal.—On recommendation of City Engineer C. L. Huggins, the City Council has awarded a contract to the Spears-Wells Machinery Co., 241 12th St., Oakland, at \$1,300 for furnishing and delivering one road plane for use on the city streets.

SEWERS, STREET WORK, ROADS AND WATER SYSTEMS

COLUSA, Colusa Co., Cal.—The Clark & Henery Construction Co., Ochser Bldg., Sacramento, has been awarded a contract by the City Trustees for the improvement of the following streets and alleys: Main St. from a line 160 feet west of Fourth St. to Eighth St.; Fifth St. from the N line of Main St. to the S line of the alley running E and W bet. Main and Levee Sts., and from the N line of said alley running E and W to a line parallel with and 20 feet S of the S line of Levee St.

Sixth St. and Seventh St., each from Market St. to the S line of the alley running E and W bet. Market and Main Sts., and from the N line of said alley running E and W, to the S line of Main St., by grading, construction of concrete curbs and gutters and laying a bitulithic pavement consisting of a hydraulic concrete base 4 inches thick and a bitulithic wearing surface 2 inches thick; also the improvement of the alley bet. Market and Main Sts. from Sixth St. to Seventh St., by grading and laying a bitulithic pavement consisting of a hydraulic concrete base 4 inches thick and a bitulithic wearing surface 2 inches thick. (28792) 1st report Aug. 28, 1919. E

SACRAMENTO, Cal.—The City Commissioners, M. J. Desmond, City Clerk, have awarded a contract to the Clark & Henery Construction Co., Ochser Bldg., Sacramento, for the improvement of Freeport Boulevard from the south line of Second avenue to the alley first south of Third avenue, by

construction of concrete curbs and gutters, 6 feet in width and 3½ inches thick; concrete sidewalks; placing 8 cast iron gutter drains with 6-inch vitrified ironstone sewer elbows and connecting same to sewer and the construction of 2 concrete manholes with cast iron curbs and covers.

J. W. Terrell, 1111 29th St., Sacramento, was awarded the contract for the improvement of the alley between Portola Way and Fifth avenue, from the east line of 24th to the west line of 27th street, by excavating a trench and constructing therein an 8-inch vitrified ironstone pipe sewer with 58 8-inch vitrified ironstone Y branches attached; construction of 3 concrete manholes with cast iron curbs and covers; placing 2 6-inch vitrified ironstone Y branches and backfilling the trench.

FRESNO, Fresno Co., Cal.—The City Council, Chas. Dillon, City Clerk, has adopted plans and bids will be called in the near future for the improvement of Yale and Cambridge avenues from the east line of Maroa avenue to the west line of College avenue by grading; constructing cement concrete gutters and paving with an asphalt concrete base, 2½ inches thick and a bitulithic wearing surface 1½ inches thick.

OAKLAND, Cal.—The County Supervisors have received a petition from the Board of Trustees of San Leandro asking that they provide funds for the improvement of East Fourteenth street as this is the main highway through the county.

DAVIS, Yolo Co., Cal.—The City Trustees have instructed the City Attorney to prepare the necessary papers calling a bond election with which to finance construction of a modern water system, the estimated cost of which is \$71,000 according to the report of Engineer Galloway, who has been instructed to prepare working drawings for the work.

The proposal of the local water company to sell the city its plant for \$16,000 was rejected.

SAN LEANDRO, Alameda Co., Cal.—The City Trustees have granted permission to M. A. Lopes, San Leandro, to construct sidewalks in Estudillo avenue from East Fourteenth street to Santa Clara, he having secured the signatures of the property owners at \$40 for each 50 ft. front lot.

SAN LEANDRO, Alameda Co., Cal.—The City Trustees, R. H. Goodwin, City Engineer, have awarded a contract to M. A. Lopes, San Leandro, for the improvement of Parrott street on his bid of \$9,438. R. E. Burgund of Oakland submitted a bid of \$9,842.21.

HANFORD, Kings Co., Cal.—The County Supervisors are considering the petition asking the formation of Sewer District No. 2. It is planned to construct a modern sewer system when the district has been legally formed.

E. F. Pickerill is County Clerk.

SAN RAFAEL, Marin Co., Cal.—The County Supervisors are considering the calling of an election to vote bonds of \$1,625,000 with which to finance construction of a county highway system.

In general the issue will provide funds for the following roads:

1 A west side road from Willow Camp to the county line at Valley Ford. Three connecting roads between the State Highway and the west side highway as follows:

2 Manzanito or Mill Valley to Willow Camp.

3 San Anselmo to Point Reyes, and from

4 Union School to Tomales.

5 Main Inter-road from Point Reyes to Union School at County line.

6 Wilson Hill to Junction Novato, Hicks Valley road.

Rob E. Graham is County Clerk.

SAN LEANDRO, Alameda Co., Cal.—The City Trustees have taken under advisement the estimate of City Engineer R. H. Goodwin, for the construction of a storm sewer in Alvarado street, from Saunders to the Creek. Goodwin estimates the sewer will cost \$12,000.

The following bids were received by the San Francisco Board of Public Works for the construction of a storage spur track in Folk street between Geary and Post streets for the Municipal Railway.

C. B. Eaton (low).....\$3,800
Crocker, Blanchard & Howell 3,995
Healy-Tibbitts Constr. Co... 3,912

For the construction of a sewer in Euclid avenue from Parker avenue to Palm avenue the following bids were received:

Thos. B. Harney.....\$7,748.76
Hickey & Harmon..... 9,373.45

SACRAMENTO, Cal.—The following bids were received by the State Highway Commission for highway improvement in three counties:

Tulare County, between Visalia and Fulghams Corners (VI-Tul-4-D and 10-B), about 1.5 miles in length to be surfaced with asphalt.

Federal Constr. Co., Call Bldg., San Francisco, \$21,870.

Engineer's Estimate, \$17,575.

Placer County, between Auburn and Northerly Boundary (III-Pla-17-C), about 6.6 miles in length to be paved with Portland cement concrete.

A. J. Fairbanks, Willits, \$104,256.

Engineer's Estimate, \$81,206.50.

Amador County, between Ione and Jackson (III-Ama-34-B), about 10.7 miles in length to be graded.

T. M. Olney, 358 Vernon St., Oakland, \$66,469.

W. A. Schmid, Berkeley, \$95,385.

A. J. Fairbanks, Willits, \$110,747.50.

Engineer's Estimate, \$62,332.20.

SACRAMENTO, Cal.—The County Supervisors have awarded a contract to D. C. Howard, 311 California National Bank Bldg., Sacramento, for the paving of the Placerville road from Mills Station to a point about 6 miles east, the bid being 5½ cents per square foot.

BRAWLEY, Imperial Co., Cal.—Construction work on the Brawley-Indio road will be resumed by the state highway commission by force account about October 1. The pavement will be 15 feet in width instead of 8 feet as originally planned.

The improvement of Thirty-eighth avenue between Geary and Anza Sta. by grading; construction of concrete curbs; a 7-foot strip of vitrified brick pavement; an asphalt pavement; artificial stone sidewalks, etc.

Awarded to Clarence B. Eaton, 407 11th St., San Francisco.

AND STREET WORK AWARDED.

HILLSBOROUGH, San Mateo Co., Cal.—Chas. J. Lindgren, El Cerrito, San Mateo, has been awarded a contract at \$3,717 by the Town Trustees of Hillsborough for the following work:

(1) Protecting the existing bridge on Pepper avenue near Ralston avenue by constructing a retaining wall, etc.

(2) Protecting the existing bridge on Hillsborough Boulevard near Ralston avenue by the construction of a concrete pavement.

(3) Protecting the roadway of Hillsborough Boulevard between Parkside and Ralston avenues by the construction of two retaining walls along the creek.

(4) Constructing concrete gutters along certain portions of certain of the roadways of Hillsborough.

BERKELEY, Alameda Co., Cal.—The City Council has passed a resolution appropriating \$1,400 to cover the cost of re-gardening, curbing and guttering, paving with asphalt and the construction of cement concrete sidewalks at Bancroft Way and College Avenue.

OKLAND, Cal.—The City Council, L. W. Cummings, City Clerk, has passed a resolution of intention providing for the improvement of portions of Hopkins street, 35th and 38th avenues, Kanning and Kansas streets, by grading, construction of concrete curbs and gutters and paving with oil macadam, installation of corrugated iron culverts, vitrified pipe conduits, brick manholes with C. I. curbs and covers, sidewalks and the construction of a concrete wall.

LOS ANGELES, Los Angeles Co., Cal.—W. D. McCray, 424 American Bank Bldg., Los Angeles, submitted the lowest bid for grading and paving Coast Blvd. between the east and south boundaries of the city just north of Santa Monica at \$14,200 lump sum for grading and 19½¢ sq. ft. for paving. A 4-in. concrete pavement 20 ft. wide and about 2600 ft. in length will be laid. Other bids received were:

Wm. Liddington—\$13,290 grading; 22¢ sq. ft. paving.

Fairchild-Gilmore-Wilton Co.—\$17,500 grading; 30¢ sq. ft. paving.

Tryon & Brain—\$20,700 grading; 28½¢ sq. ft. paving.

E. Schelling—\$23,400 grading; 24½¢ sq. ft. paving.

M. S. Cummings—\$23,999 grading; 37¢ sq. ft. paving.

SANTA BARBARA, Cal.—City Engineer A. B. Cook has been instructed to prepare plans and specifications for paving streets on ten or more city blocks, including Santa Barbara street from Michelena to Pedregosa, Valerio from Garden to State, and Arrelaga from Garden to State. City Manager Craig was instructed to take up with the County Supervisors the mat-

ter of obtaining county aid for connecting the Modoc road to the county line. This would mean the paving of West Mission street from Bath to St. Andres, 8 blocks, for which plans and specifications have already been drawn.

REDDING, Shasta Co., Cal.—A petition has been received from Cottonwood and vicinity asking the construction of a new road to commence at the southeast corner of section 7 township 20 north, range 4 west, running east on section lines between sections 1, 12, 6 and 7, township 29 north, range 5 west.

A committee has been appointed by the Board to submit a report on the proposed road at the next meeting.

RICHMOND, Contra Costa Co., Cal.—The City Council has awarded a contract to L. L. Page, 728 Bissell Ave., Richmond, at \$995 for the improvement of the road between Buena Vista and Garrard Boulevard.

R. H. Downer at \$47,733.85 was awarded the contract for sewerage in East Richmond and Townsburys Heights in the Richmond Traffic Center Tract. Other bids were:

F. Meyers \$51,159.88
L. L. Page 60,463.38

The contract for the improvement of Lowell street, 24th and 26th streets, was awarded to Galbraith & Jones, 431 10th St., Richmond, at \$17,135.43. Other bids were: F. A. Mero, \$19,414 and L. L. Page, \$17,612.32.

Galbraith & Jones, Richmond, were also awarded the contract at \$9,567.45 for the improvement of Barrett Ave. Other bidders were: L. L. Page, \$12,063.35 and C. Johnson, \$9,817.07.

The contract for the construction of sewers in Andrade, 24th and 26th streets was awarded to F. A. Mero at \$18,546.06, he being the only bidder. (29653) 1st report Aug. 20; 3rd Sept. 5; (29708) 1st report Aug. 23, 1919;

MODESTO, Stanislaus Co., Cal.—The City Council has awarded a contract to the Standard Paving Co. for the improvement of Downey avenue from the north line of H street to a point 249 feet east from McHenry avenue by grading, construction of cement concrete curbs and gutters and the laying of a 4-inch cement concrete base with a bitulithic wearing surface 1½ inches thick. W. O. Thompson is City Clerk.

CRESCENT CITY, Del Norte Co., Cal.—The County Supervisors are planning the construction of a cross road to the present Smith River road from the Elk Valley section. J. L. Lenz is County Clerk.

PETALUMA, Sonoma Co., Cal.—The City Trustees are planning a bond election to secure funds to finance the paving of Main and Third streets.

NAPA, Napa Co., Cal.—The County Engineer has been authorized by the County Supervisors to purchase corrugated iron culverts for road work near Yountville and near the St. Helena Sanitarium. James A. Daley is County Clerk.

SAN FRANCISCO—The Board of Public Works has awarded a contract to C. B. Eaton, 401 11th St., San Fran-

cisco, for the construction of the Municipal Railway Supr. Track in Polk street between Geary and Post streets at \$3800.

SAN FRANCISCO—The Board of Public Works has accepted the bid of T. D. Harney, Pacific Bldg., for the construction of the Euclid avenue sewer between Parker and Palm avenues at \$7,648.76.

BIDS WANTED FOR SEWER SYSTEM

NEWPORT BEACH, Orange Co., Cal.—Until 7:30 P. M., September 29, bids will be received by City Clerk Geo. P. Wilson for constructing a cement pipe sewer system, 3 reinforced concrete pumping stations with motors, pumps and appurtenances, designated as pumping stations Nos. 1, 2 and 3, and a reinforced concrete septic tank and sludge beds in accordance with plans and specifications prepared by City Engineer Paul Kressley. The work will be done under the Vrooman act. Bids were taken for this work during the war and a contract awarded to the J. D. Kneen Contracting Co. of Santa Monica, at about \$175,000, but on account of war conditions the contract was not consummated.

TRACY, San Joaquin Co., Cal.—The City Trustees are considering the petition of property owners asking the installation of a larger water main in Highland avenue and Jungle street. The City Engineer estimates the cost of installation at \$2,600.

A similar petition has been received from the Tracy Lumber Company asking the extension of the fire mains into the eastern end of the town. The City Engineer has been directed to make a report on both petitions at the next meeting.

CARSON CITY, Nevada—John O'Keefe, Goldfield, Nevada, has been awarded a contract on his bid of \$21,674 by the Nevada State Highway Commission for highway improvement from Minden to point 3.45 miles north thereof, Douglas County. Approximately 13,200 cu. yds. Excavation unclassified; 30,320 sq. yds. Gravel Surface; 160 cu.

FIRE EQUIPMENT

LIVERMORE, Alameda Co., Cal.—The City Trustees are considering the purchase of a fire truck and have received the following offers:

Schnerr, \$8,500; White, \$8,500; Service, \$6,500.

The cost of a Federal truck will be in the hands of the City Clerk in the next few days.

MONTEREY, Monterey Co., Cal.—The City Council has awarded a contract to the Noggle Electric Co. for furnishing and delivering to New Monterey one motor fire truck (Maxwell) they submitting the lowest bid at \$2,500.

SAN LEANDRO, Alameda Co., Cal.—The City Trustees have decided to call for bids for furnishing and delivering one motor fire truck. A call for bids is now being prepared by the City Clerk.

CONTRACTS AWARDED

Liens, Acceptances, Etc.

BUILDING CONTRACTS.

San Francisco County

The following is an index for the contracts for this issue:

No.	Owner	Contractor	Amt.
1905	Johnson	Johnson	9750
1906	Wall	Wall	2500
1907	Schechter	Schechter	3000
1908	Spingola	Spingola	3000
1909	Lapham	Lapham	5000
1910	Valleau	Amer Con.	400
1911	Speizer	Speizer	450
1912	Fourcade	Bourdieu	400
1913	O'Neil	Nolan	400
1914	Kiso	Todhunter	400
1915	Uchida	Uchida	1000
1916	Brooks	Brooks	400
1917	Kelley	Henry	500
1918	Franchini	Persson	450
1919	Genzken	Genzken	400
1920	Ponti	Ponti	400
1921	Balfour Guthrie	Hyde	9090
1922	Flaherty	Johnson	3588
1923	Walter	MacDonald	35000
1924	Maddin	Owner	1250
1925	Stokes	Kleeman	4500
1926	Nelson	Nelson	6000
1927	Kahn	Kronnick	2158
1928	Blum Adv.	Sheridan	400
1929	Gallenkamp's	Pink	500
1930	Abrams	Stahl	500
1931	Cane	Hauin	400
1932	De Vitt	Arthur	446
1933	Bisneger	Parker	900
1934	Quinn	Muller	800
1935	Siannel	Olsen	500
1936	Peck	Snell	400
1937	Bernstein	Kragen	400
1938	Simmons	Peake	68752
1939	Simmons	Brode	3970
1940	Simmons	West Erectg	1675
1941	Simmons	Porderer	10410
1942	Pinkham	Dahl	835
1943	Imperial	Barrett	150000
1944	Garden	Morton	7800
1945	Winington	Owner	2000
1946	Owl	Pink	1000
1947	Baldwin	Barrett	400
1948	Laverson	Wilson	12000
1949	Olivia	McCormick	476
1950	Flaherty	Owner	400
1951	Schlesinger	Sorensen	40033
1952	Hooker	Hayes	1325
1953	Stoff	Sullivan	4850
1954	Parkside Rity	Swanson	9630
1955	Same	Same	9850
1956	Allen	Hamill	16000
1957	Allred	Allred	6000
1958	Gachwiler	Pierson	430
1959	Rousseau	Owner	1650
1960	Wolf	Wolf	1200
1961	Pike	Brockage	2450
1962	Cogswell	McLeran	20000
1963	Wright	Hamill	600
1964	Babin	Babin	500
1965	Alexander	Martani	450
1966	Rogers	Olsen	8050
1967	Miller	Miller	4000
1968	Claussen	De Martini	400
1969	Bullena	Hifferman	400
1970	Harris	Nelson	15000
1971	Iwakami	Coggins	1200

FRAME FLATS

(1905) SW ANZA AND TWELFTH Ave. Two-story and basement frame (4) flats.

Owner—Johnson & Johnson, 844 14th, San Francisco.
Architect—None.
Day's work. COST, \$9750

PLASTER EXTERIOR, ETC.

(1906) W SEVENTEENTH AVE 36 S California. Plaster exterior and inside trim for flats.
Owner—G. W. Wall, 6219 California, San Francisco.
Architect—None.
Day's work. COST, \$2500

FENCE AND SHED

(1907) NW FOLSOM AND MAIN. Erect corrugated iron fence and shed for warehouse.
Owner—Phillip Schechter, 304 Howard, San Francisco.
Architect—None.
Day's work. COST, \$3000

DWELLING

(1908) S GREENWICH 137 1/2 E Broderick. Two-story and basement frame dwelling.
Owner—A. Spingola, 1530 Filbert St., San Francisco.
Architect—A. S. MacRae, 655 Moraga St., San Francisco.
Day's work. COST, \$3000

DWELLING

(1909) NE GEARY AND THIRTY-second Ave. Two-story and basement frame dwelling.
Owner—A. R. Lapham, 485 36th Ave., San Francisco.
Architect—None.
Day's work. COST, \$5000

ALTERATIONS

(1910) NO. 1843 GREEN. Alter for basement garage.
Owner—P. Valleau, Premises.
Architect—None.
Contractor—American Concrete Co., Humboldt Bank Bldg., S. F.
COST, \$400

DWELLING

(1911) NW GERARD AND SILLIMAN. Move dwelling and concrete foundation.
Owner—A. A. Speizer, 1970 Donner, San Francisco.
Architect—None.
Day's work. COST, \$450

ALTERATIONS

(1912) E GUERRERO 100 S Duncan. Raise and alter dwelling.
Owner—H. Fourcade, 643 Hampshire, San Francisco.
Architect—None.
Contractor—J. Bourdieu, 20th and Potrero Ave., San Francisco.
COST, \$900

ALTERATIONS

(1913) NO. 273 EIGHTH AVE. Alter for basement garage.
Owner—Bob O'Neil, Geary near Fillmore, San Francisco.
Architect—None.
Contractor—M. F. Nolan, 238 Noe, S. F.
COST, \$400

SHED

(1914) NO. 57 ZOE. Reconstruct shed
Owner—Kiso & Co., Premises.
Architect—None.
Contractor—Geo. C. Todhunter, 1088 Ashbury, San Francisco.
COST, \$490

ALTERATIONS

(1915) NO. 416 JACKSON. Remove lathe and plaster ceilings, white-washing, composition toilet floors, painting, etc.

Owner—S. Uchida, 68 Post, S. F.

Architect—None.
Day's work. COST, \$1000

ALTERATIONS

(1916) NO. 1557 CLAY. Alter for basement garage.
Owner—O. W. Brooks, Premises.
Architect—None.
Contractor—J. M. Anderson, 1612 Pacific Ave., San Francisco.
COST, \$400

ADDITION

(1917) NO. 2558 TWENTY-NINTH Ave. Add two rooms to dwelling.
Owner—Horace Kelley, Premises.
Architect—None.
Contractor—M. J. Henry, 2347 35th Ave., San Francisco.
COST, \$500

ADDITION

(1918) NO. 3917 TWENTY-FOURTH. Add 2 rooms to dwelling.
Owner—G. Franchini, Premises.
Architect—J. C. Hladik, Monadnock Bldg., San Francisco.
Contractor—L. Persson, 1065 Sanchez, San Francisco.
COST, \$450

ALTERATIONS

(1919) NO. 152 ROUSSEAU. Concrete foundation and alter dwelling.
Owner—P. Genzken, Premises.
Architect—None.
Contractor—Wm. Miller, 49 Park St., San Francisco.
COST, \$450

ADDITION

(1920) NO. 33 PRENTISS. Add one room to cottage.
Owner—G. Fonti, Premises.
Architect—None.
Day's work. COST, \$400

OFFICE BUILDING

(1921) SE SANSOME and California S 89x129-9 1/2. Furnish, drive and cut off piles for a 12 story Class "A" office building.

Owner—The Balfour-Guthrie Investment Co. by P. J. Walker Co., Agt., Monadnock Bldg., San Francisco.
Architect—Geo. W. Kelham, Sharon Bldg., San Francisco.

Contractor—Hyde, Harjes & Co., 110 Market, San Francisco.
Filed Sept. 8, '19. Dated Aug. 29, '19.
Monthly 75%
Usual 35 days 25%
TOTAL COST, \$3090

Bond, \$4545. Sureties, The Fidelity & Casualty Co. Forfeit, none. Limit, as required. Plans and specifications filed.

(Correction in Location)

ALTERATION

(1922) SE McALLISTER AND DIVISADERO. All work for show windows and other work for store and market.
Owner—Rivers Bros., Premises.
Architect—C. A. Meussdorffer, 1104 Humboldt Bank Bldg., S. F.
Contractor—Joel Johnson, 110 Jessie, San Francisco

Filed Sept. 8, '19. Dated Sept. 6, '19.
On 3rd of each month 75%
Usual 35 days 25%
TOTAL COST, \$3989
Bond, Sureties, Forfeit, none. Limit,
35 days after Sept. 8, 1919. Plans and
specifications filed.

ADDITION

(1923) NE VAN NESS AVE AND SACRAMENTO. Addition to two-story concrete building for auto sales rooms now in course of construction Owner—Mrs. Hannah Walter. Engineers—MacDonald & Kahn. Contractor—MacDonald & Kahn, Ri-alto Bldg., San Francisco.
COST, \$35,000

ALTERATIONS

(1924) SE CALIFORNIA and 13th Ave. General alterations for frame residence. Owner—B. Madden, Premises. Architect—None.
Day's work. COST, \$1250

FRAME DWELLING

(1925) NO. 138 TWENTY-SECOND Ave. Two-story and basement frame dwelling. Owner—Mrs. F. R. Stokes, 487 18th Ave., San Francisco. Architect—None. Contractor—Wm. Kleeman, 188 Page, San Francisco.
COST, \$4500

FRAME DWELLING

(1926) W MIRAMAR 171 S Westwood One-story and basement frame dwelling. Owner—Nelson Bros., 30 Northwood Drive, San Francisco. Architect—Chas. Strothoff, 2276 15th St., San Francisco. Contractor—Wm. Kleeman, 188 Page, San Francisco.
COST, \$6000

ALTERATIONS

(1927) MISSION AND TWENTY-second. Alter for movie theatre. Owner—Kahn & Greenfield. Architect—Reid Bros., 105 Montgomery St., San Francisco. Contractor—Kronnick Bros., 1659 O'Farrell St., San Francisco.
COST, \$2158

ALTERATIONS

(1928) NO. 733 MARKET. Erect T. and G. partitions. Owner—Blum Advertising Agency, 696 Mission, San Francisco. Architect—None. Contractor—Robt. E. Sheridan, 351 11th, Oakland.
COST, \$400

DISPLAY CASE

(1929) NO. 747 MARKET. Install display case. Owner—Gallenkamp's Shoe Co., 702 Market, San Francisco. Architect—None. Contractor—Fink & Schindler Co., 218 13th San Francisco.
COST, \$500

ALTERATIONS

(1930) NOS. 47-49 STOCKTON. Extend mezzanine floor. Owner—The Abrams, 74 New Montgomery, San Francisco. Architect—Bernard J. Joseph, 74 New Montgomery, San Francisco. Contractor—J. J. Stahl, 666 8th Ave., San Francisco.
COST, \$500

ALTERATIONS

(1931) SW ELLIS AND STEINER. Extend foundation, etc. Owner—W. M. Cane, 1701 Ellis, S. F. Architect—None. Contractor—C. W. Haun, 313 28th, San Francisco.
COST, \$400

REPAIRS

(1932) NO. 119 WINFIELD. Repair fire damage to dwelling. Owner—F. De Vitt, Valencia St., S. F. Architect—None. Contractor—Geo. H. Arthur, Box 72, 180 Jessie, San Francisco.
COST, \$446

ALTERATIONS

(1933) NO. 3340 JACKSON. Alter and add for sleeping porch. Owner—N. Bissinger, Premises. Architect—None. Contractor—K. E. Parker, 519 California, San Francisco.
COST, \$900

ALTERATIONS

(1934) NO. 140 TWENTY-SEVENTH Ave. Minor alterations on front. Owner—Mr. Quinn. Architect—None. Contractor—C. F. Muller, 84 28th St., San Francisco.
COST, \$800

ALTERATIONS

(1935) NO. 180 LEXINGTON. Raise and alter dwelling. Owner—Michael Scannell, 684-A Capp, San Francisco. Architect—None. Contractor—Olson & Verner, 289 Fell, San Francisco.
COST, \$500

ALTERATIONS

(1936) NO. 917 HAIGHT. Alter for basement garage. Owner—Geo. C. Peck, Premises. Architect—None. Contractor—E. H. Snell, 135 18th Ave., San Francisco.
COST, \$400

ALTERATIONS

(1937) NO. 25 EDDY. Alter store front. Owner—Mundy E. Bernstein, Prem. Architect—None. Contractor—Louis Kragen, 743 Gough, San Francisco.
COST, \$400

FACTORY

(1938) E ½ BLOCK bded by Powell, North Point, Stockton and Bay. Excavating, filling, concrete piers, walls and floors, wood frame and gravel roof, etc., for mill construction type of factory building. Owner—Simmons Co., 198 Bay, S. F. Plans by Owner. Contractor—Frank B. Peake, 1247 42d Ave., San Francisco. Filed Sept. 10, '19. Dated Sept. 8, '19. On 1st and 15th of each month 75% Usual 35 days 25%
TOTAL COST, \$68,752
Bond, none. Limit, 90 days after Sept. 6. Forfeit, \$10. Plans and specifications filed.

(1939) STRUCTURAL STEEL TRUSSES, girders, columns, etc., on above Contractor—Brode Iron Works, 3 Hawthorne St., San Francisco. Filed Sept. 10, '19. Dated Sept. 6, '19. Payments same as above
TOTAL COST, \$3977
Bond, none. Limit, 40 days. Forfeit \$10. Plans and specifications filed.

(1940) TAKING DOWN PRESENT corrugated iron and wood and steel frame on Lot 50x137-6, situated 137-4 N of NW Bay and Stockton and reset steel frame on foundation provided by owners on W ½ Blk. bded by Bay, Stockton, Powell and North Point.

Contractor—Western Erecting Co. Filed Sept. 10, '19. Dated Sept. 6, '19. Building down and removed from present site \$450
When reset complete on new site 1225
TOTAL COST, \$1675
Bond, none. Limit, 10 days after Sept. 10. Forfeit, none. Plans and specifications filed.

(1941) SHEET METAL WORK FOR exterior and interior of factory building, except corrugated iron for partitions and underwriters' fire doors on above.

Contractor—Forderer Cornice Works, 269 Potrero Ave., San Francisco. Filed Sept. 10, '19. Dated Sept. 8, '19. On 1st and 15th of each month 75% Usual 35 days 25%
TOTAL COST, \$10,410
Bond, none. Limit, 84 days. Forfeit, \$10. Plans and specifications filed.

ADDITION

(1942) S BUSH 34 W Broderick. All work for one-story addition. Owner—Chas. B. Pinkham, 2703 Bush St., San Francisco. Architect—None. Contractor—Alfred Dahl. Filed Sept. 10, '19. Dated Sept. 10, '19. Roof on \$208.67
Finished plaster on 208.67
Completed and accepted 208.65
Notice of acceptance filed 209.00
TOTAL COST, \$835.00

Bond, none. Limit, 24 days from Sept. 10. Forfeit, \$10. Plans and specifications filed.

CLASS "C" STORE

(1943) N GEARY 80 E Grant Ave. Six-story Class "C" store. Owner—Imperial Realty Co., 709 Mission, San Francisco. Architect—G. Albert Lansburgh, 709 Mission, San Francisco. Contractor—Barrett & Hild, Sharon Bldg., San Francisco.
COST, \$150,000

FRAME DWELLING

(1944) E SAN PABLO 763 S Portola Ave. Two-story and basement frame dwelling. Owner—Garden Homes Co., 278 Post, San Francisco. Architect—H. H. Gutterson, 278 Post, San Francisco. Contractor—John Morton, 180 Jessie, San Francisco.
COST, \$7800

FRAME IRON WORKS

(1945) N BRANNAN 80 E Seventh.
One-story frame iron works.
Owner—C. W. Withington, 180 Jessie,
San Francisco.
Architect—Lewis M. Gardner, 942 Pine
St., San Francisco.
Day's work. COST, \$2000

ALTERATIONS

(1946) NO. 121 SECOND. Alter for
kodak department.
Owner—The Owl Drug Co., 611 Mission
St., San Francisco.
Architect—None.
Contractor—Fink & Schindler Co., 228
13th, San Francisco. COST, \$1000

ALTERATIONS

(1947) NO. 132 SIXTH. New store
front.
Owner—Baldwin & Howell, 324 Kearny
St., San Francisco.
Architect—None.
Contractor—Barrett & Hilp, Sharon
Bldg., San Francisco. COST, \$400

ALTERATIONS

(1948) NO. 2543 TWENTY-EIGHTH
Ave. Raise cottage for basement
garage.
Owner—Mrs. H. Lavenson, Premises.
Architect—None.
Contractor—Wilson & Babeani, 2530
28th Ave., San Francisco. COST, \$1200

ALTERATIONS

(1949) NE BUCHANAN AND GREEN-
wich. Alter for store.
Owner—Mrs. Geo. Olivia, 1936 Leaven-
worth, San Francisco.
Architect—None.
Contractor—Thos. McCormick, 25
Glady's, San Francisco. COST, \$476

ALTERATIONS

(1950) SW ELLIS AND LAGUNA.
Alter store.
Owner—R. Flaherty, 1098 54th St.,
Oakland.
Architect—C. C. McDougall, 2614
Gough, San Francisco. COST, \$400

RESIDENCE

(1951) NE VALLEJO & BUCHANAN
E 50xN 137-6. All work except
plumbing, heating, painting and
electric wiring for two-story and
basement frame residence.
Owner—B. F. Schlesinger, Cr. The Em-
porium, San Francisco.
Architect—Clarence A. Tantau, Clunie
Bldg., San Francisco.
Contractor—Walter Sorensen, 3219
Ellis St., Berkeley.
Filed Sept. 1, '19. Dated Sept. 3, '19.
On or before 10th of each month 75%
Usual 35 days. COST, \$40,093
Bond, \$20,047. Surety, Maryland Casualty Co. Limit, 120 days. Forfeit,
none. Plans and specifications filed.

SAND BLAST BLDG., ETC.

(1952) SW MARKET AND FIRST.
Sand blast and treat with Imperial
waterproofing and liquid stucco for
all exposed wall surface on Conrad
Building.
Owner—Hooker & Lent.
Engineer—M. C. Conchot, 110 Sutter,

San Francisco.

Contractor—Reed Baxter, 625 Market,
San Francisco.
Filed Sept. 11, '19. Dated Sept. 10, '19.
On completion 75%
Usual 35 days 25%
TOTAL COST, \$1335
Bond, limit, forfeit, none. Specifica-
tions only filed.

APARTMENTS

(1953) W HYDE 57-6 S Bush S 50xW
95. Lathing and plastering four-
story and basement Class "C" brick
apartment house.
Owner—Louis D. Stoff, 830 Sutter, S. F.
Architect—Albert Schroeffer, Nevada
Bank Bldg., San Francisco.
Contractor—D. F. Sullivan.
Filed Sept. 11, '19. Dated July 10, '19.
Lathing done \$ 400
3rd and 4th floors brown coated 800
Brown coat completed 800
3rd and 4th floors white coated 800
When completed 800
Usual 35 days 1250
TOTAL COST, \$4850
Bond, \$2725. Sureties, Thos. and Frank
Mannix. Limit, 75 days. Forfeit, none.
Plans and specifications filed.

FRAME DWELLINGS

(1954) E THIRTY-THIRD AVE 225
S Taraval S 50xW 120. All work for
two one-story frame dwellings.
Owner—Parkside Realty Co., Crocker
Bldg., San Francisco.
Architect—None.
Contractor—Ernest Swanson, 311 Low-
ell St., San Francisco.

Filed Sept. 11, '19. Dated Sept. —, '19.
Frame work completed \$2407.50
Brown coated 2407.50
Completed and accepted 2407.50
Usual 35 days 2407.50
TOTAL COST, \$9630.00
Bond, \$5000. Sureties, Chas. Monson
and O. Monson. Limit, 90 days. For-
feit, none. Plans and specifications
filed.

FRAME DWELLINGS

(1955) N TARAVALL 57-6 W 30th Ave,
W 50xN 100. All work for 2 1½-
story frame dwellings.
Owner—Parkside Realty Co., Crocker
Bldg., San Francisco.
Architect—None.
Contractor—Ernest Swanson, 311 Low-
ell St., San Francisco.

Filed Sept. 11, '19. Dated Sept. —, '19.
Frame completed \$2462.50
Enclosed and brown coated 2462.50
Completed and accepted 2462.50
Usual 35 days 2462.50
TOTAL COST, \$9850
Bond, \$5,000. Sureties, Chas. Monson
and O. Monson. Forfeit, none. Limit,
90 days. Plans and specifications filed.

DWELLINGS

(1956) NE AND NW CALIFORNIA &
28th Ave. Two two-story and base-
ment frame dwellings.
Owner—Helen & Co., 125 Sutter St.,
San Francisco.
Architect—Earl B. Bertz, 68 Post St.,
San Francisco.
Contractor—Thos. Hamill, 4101 Balboa
St., San Francisco. COST, \$8000 each

DWELLINGS

(1957) E THIRTY-SIXTH AVE 105 &
127-6 N Fulton. Two two-story and
basement frame dwellings.
Owner—C. S. Alfred, 150 Omundaga

Ave., San Francisco.

Architect—None.
Day's work. COST, \$3000 each
ALTERATIONS
(1958) NO. 3065-67 TWENTY-THIRD.
Raise foundation and concrete floor.
Owner—John Gachwiler.
Architect—None.
Contractor—Mr. Pierson, Bryant St.,
San Francisco. COST, \$430

PLASTER FRONT

(1959) SE LARKIN AND WASHING-
ton. Plaster front.
Architect—Arthur Rousseau, 110 Sutter
St., San Francisco.
Architect—Rousseau & Rousseau, 110
Sutter St., San Francisco.
Day's work. COST, \$1650

ALTERATIONS

(1960) NO. 3575 CLAY. Alter for
bath rooms.
Owner—Mrs. Carl Wolff.
Architect—Bliss & Faville, 1001 Balboa
Bldg., San Francisco. COST, \$1200

ALTERATIONS

(1961) NO. 49 FIFTH AVE. Alter and
add to dwelling.
Owner—P. M. Pike, 18 5th Ave., S. F.
Architect—Smith O'Brien, 742 Market,
San Francisco.
Contractor—E. A. Brockhage, 1326 Na-
toma, San Francisco. COST, \$2450

ALTERATIONS

(1962) SE FOLSOM AND TWENTY-
sixth. New stairs, boiler room, heat-
ing system, electric work, etc.
Owner—Cogswell Polytechnic College,
Premises.
Architect—Fred H. Meyer, Bankers'
Investment Bldg., S. F.
Contractor—McLeran & Peterson,
Hearst Bldg., San Francisco. COST, \$20,000

ALTERATIONS

(1963) NO. 742 FORTY-SECOND AVE.
Minor alterations for dwelling.
Owner—Chas. D. Wright, Premises.
Architect—None.
Contractor—Thos. Hamill, 4101 Balboa
St., San Francisco. COST, \$600

REPAIRS

(1964) NO. 725 GRANT AVE. Repair
fire damage.
Owner—L. C. Cabin Co., 425 Kearny,
San Francisco.
Architect—None.
Day's work. COST, \$500

ALTERATIONS

(1965) NO. 1754 UNION. Raise and
underpin.
Owner—H. Alexander, 2355 Green-
wich, San Francisco.
Architect—None.
Contractor—S. Martani, 1753 Green-
wich, San Francisco. COST, \$450

FRAME RESIDENCE

(1966) E WESTWOOD DRIVE dist 14
S from N line Lot 26 Blk 3165 West-
wood Park S 44 N 87 deg 35 min 59
sec E 113.629 N 0 deg 24 min W 40
S 89 deg 08 min 44 sec W 105.034
Ftn Lots 25, 26 and 27 Blk 3165,
Westwood Park. All work for two-

story and basement frame residence
Owner—R. R. Rogers, 527 Commercial, San Francisco.
Architect—Chas. F. Strothoff, 2276 15th St., San Francisco.
Contractor—Olaf Olsen, 1214 Stanyan St., San Francisco.
Filed Sept. 12, '19. Dated Sept. 10, '19.
Frame up, enclosed and roof on \$2012.50
Brown coated 2012.50
Completed and accepted 2012.50
Usual 35 days 2012.50
TOTAL COST, \$8050.00
Bond, \$4025. Sureties, H. S. Thomson and Walter A. Marston. Limit, 90 days after Sept. 12. Forfeited, none. Plans and specifications filed.

FRAME DWELLING

(1947) E NINETEENTH AVE 250 S Balboa. One-story and basement frame dwelling.
Owner—Wm. A. Miller & Co., 743 5th Ave., San Francisco.
Architect—None.
Day's work. COST, \$4000

ALTERATIONS

(1968) NO. 1323 TWELFTH AVE. Alter for basement garage.
Owner—M. Claussen, 1042 Ellis, S. F. Architect—None.
Contractor—F. De Martini, 274 29th, San Francisco.
COST, \$400

SHEDS

(1969) NO. 161 CHENERY. Erect 2 sheds.
Owner—Mrs. Bullena, Premises.
Architect—None.
Contractor—Jas. F. Hifferman, 59 Santa Marina, San Francisco.
COST, \$400

ALTERATIONS

(1970) NO. 696-698 POST. Alter for bakery and restaurant.
Owner—Abe and Ben Harris et al, NE Post and Jones, San Francisco.
Architect—None.
Contractor—L. C. Mason, Post and Jones, San Francisco.
COST, \$1500

ALTERATIONS

(1971) N JACKSON 80 W Sansome. Erect mezzanine floor, chute, etc.
Owner—Iwakami Co., 476 Jackson St., San Francisco.
Architect—None.
Contractor—L. M. Coggins, 115 Turk, San Francisco.
COST, \$1200

COMPLETION NOTICES.

San Francisco County

Recorded Accepted
Sept. 5, 1919—W TWENTY-
seventh Ave 100 S Clement S 200
x W 120; E 24th Ave 100 S Clement
S 50x E 120. Jonathan Anderson
to Thos Hamill, Sept. 5, 1919
Sept. 5, 1919—E FORTY-FOURTH
Ave 311 N Fulton N 25x E 120.
David Leigh to whom it may concern.
Sept. 8, 1919—E FORTY-FOURTH
Ave 210 N Balboa N 25x E 75. Robt
Craigmille to David Leigh.
Sept. 8, 1919—SE CLAREMONT BLVD
and Dorchester Way Lot 10 Blk
2986 Claremont Court. A L Meyer
erstein to J S Malloch. Aug. 27, 1919
Sept. 8, 1919—LOTS 2 and 4 BLK
3165, Westwood Park. Hans Nelson
to Nelson Bros.
Sept. 8, 1919—E TWENTY-SEVENTH

Ave 100 N Geary N 50 E 132-9 1/4
m or 1 S 9 deg 15 min E 50-3 1/4
m or 1 W 137-1 1/4 m or 1 to beg.
William Klute to T E Mohler
Sept. 2, 1919—Sept. 2, 1919
Sept. 8, 1919—NE ROLPH AND
Madrid 25.77x100 N on
known as Lot 36 Blk 11, Crocker
Amazon Tract. Frank Scott to C
D Bevier & R A McAfee. Sept. 1, '19
Sept. 8, 1919—LOTS 9 AND 11, BLK
3165, Westwood Park. Hans Nelson
to Nelson Bros.
Sept. 8, 1919—E TWENTY-EIGHTH
Ave 130 N California N 30x E 120
Lot 4, Sub 2, and lot 3, Sub 2, Sea
Cliff. Harry B. Allen to whom it
may concern.
Sept. 11, 1919—W PALM AVE 44-3 1/4
S California S 40x W 95. Chas W
Higgins to whom it may concern.
Sept. 11, 1919—THIRD STATION
Southern Pacific Co to American
Marble & Mosaic Co.
Sept. 2, 1919—261 SEVENTEENTH
Ave. Jos Henry Reiss to J Frank
Ball
Sept. 12, 1919—S PINE 151-6 W
Kearny S 80 E 20 m or 1 S 80 W
59 m or 1 N 80 m or 1 E 38-3 m or 1
Ernest H or E H Dettner to W L
Nagel.
Sept. 12, 1919—S NINETEENTH 232
W Douglas. P Algot Nelson to
whom it may concern.
Sept. 12, 1919—SW BRYANT AND
Gilbert 55x30. Wm Schenck to
Samuel Schell.
Sept. 12, 1919—N FIFTEENTH 100
W Guerrero 25x100. Robert Wilson
Murray to Monson Bros.
Sept. 12, 1919

LEASES.

San Francisco County.

Sept. 13, 1919—S CALIFORNIA bet.
Hyde and Larkin; No. 1477 Califor-
nia. Vida Alberson to Mrs Elsie P
Babin. 1 year. \$42.50 per month.
Sept. 8, 1919—N MISSION bet. 18th and
W JOURNAL of THE WEST; Duane and
Gustave and Classa May to Elmer M.
Whitney; 3 years 2 mo.; assigned
Sept. 8, 1919 to Jno R. Rivolta.
Sept. 8, 1919—W POLK bet. Clay and
Washington, 1733 and 1735 Polk.
Benoit Plegat to Marius and Paul
Verdier, 5 years. \$16,500.
Sept. 10, 1919—NO. 368 ELLIS N line
bet Taylor and Jones. John H
\$23,160.
Sept. 12, 1919—N POST 62-6 E Leaven-
worth E 50 N 137-6 W 25 S 50 W 25
S 100 W 25. Theodore E Huffs and
Cauhu to John and wife Mary
Welter. 10 years. \$108,000.

NOTICE OF NON-RESPONSIBILITY.

San Francisco County.

Sept. 11, 1919—NE JONES & LEWIS
Place N 60x E 40. William Gregor
as to improvements on leased
property

BUILDING CONTRACTS.

Alameda County.

No.	Owner	Contractor	Am't.
1954	Gray	Rose	2000
1955	Speck	Speck	2500
1956	Rohan	Yager	5000
1957	Pfrang	Pfrang	2950
1958	Schmidt	Walker	400
1959	Nielsen	Nielsen	500
1960	Cavasso	Barnett	400
1961	Gompertz	Owner	400
1962	Head	Pierson	400
1963	Griffith	Griffith	400
1964	Johnson	MacGover	8700
1965	Same	Same	11600
1966	Same	Same	11600
1967	Same	Same	2900
1968	Hutchinson	Andersen	2500
1969	Ruegg	Ruegg	1500
1970	Pankey	Fallmer	419
1971	Tonjes	Schmitt	845
1972	Bkly Bapt.	Cavangh	2647
1973	Hall	Allen	1500
1974	Elise	Schuster	1500
1975	Bradshaw	Heibling	2000
1976	Brown	Stenbro	2500
1977	Elliott	Muller	13000
1978	Mazor	Sturatt	6000
1980	Nor	Hancock	3988
1981	Kirkland	Whitford	3000
1982	Winn	Cal Eldrs	3800
1983	Simmons	Hans	2200
1984	Freitas	Freitas	2500

1985	Ehrenpfort	Larmer	250
1986	City of Okd	Faulkes	125
1987	Same	Same	125
1988	Same	Same	125
1989	Bouggett	Bonds	40
1990	Cook	Cook	60
1991	Kailer	Anderson	50
1992	Hartscock	Jones	48
1993	Ruppertz	Owner	40
1994	Harty	Connolly	50
1995	Welsh	Allen	100
1996	Long	Sheridan	350
1997	Roscoe	Howett	57
1998	Moser	Roth	170
1999	Arenas	Leoni	375
2000	Dufour	Oakley	275
2001	Fortayon	Owner	47
2002	Korckall	Randlett	80
2003	Silverster	Francis	875
2004	Astrue	Nielsen	200
2005	Gould	Gould	650
2006	Herr	Herr	47
2007	Boller Mk	Un Burlingame	Owner
2008	Reynolds	Owner	401
2009	Hamilton	Marshall	10001
2010	Rickard	Kidder	50
2011	Wright	Blethrock	40
2012	Armstrong	Porter	50
2013	Brown	Burks	2500
2014	Farmer	Ferner	295
2015	Canilh	Williams	40
2016	Smith	Nat'l Rfg.	45

ALTERATIONS
(1954) NOS. 539-541 FORTY-FIRST
Oakland. Alter flats into apart-
ments.
Owner—Carrie Gray, Premises.
Architect—None.
Contractor—A. H. Rose & Co., 525
17th, Oakland.
COST, \$2000

DWELLING
(1955) W NINETY-SECOND AVE 100
S "E." Oakland. One-story 4-room
dwelling.
Owner—F. A. Speck, 481 92nd Ave.,
Oakland.
Architect—None.
Day's work. COST, \$2500

MARQUEE
(1956) S SIXTH, bet. Washington &
Clay, Oakland. Marquee.
Owner—John Rohan
Contractor—Yager Sheet Metal Co.,
3501 Chestnut, Oakland.
COST, \$5000

DWELLING
(1957) E HILLEGASS 400 W Clare-
mont, Oakland. Two-story 5-room
dwelling.
Owner—C. J. Pfrang, 480 Forest St.,
Oakland.
Architect—None.
Day's work. COST, \$2950

ALTERATIONS
(1958) NO. 425 TWELFTH, Oakland.
Alterations.
Owner—C. E. Schmidt, Premises.
Architect—None.
Contractor—T. G. Walker, 566 4th,
Oakland.
COST, \$400

ALTERATIONS
(1959) NO. 1547 NINETY-FOURTH
Ave., Oakland. Alterations.
Owner—Niels Peter Nielsen, 2031 In-
dependent Way, Oakland.
Architect—None.
Day's work. COST, \$500

ALTERATIONS
(1960) NO. 374 FAIRMOUNT AVE.,
Oakland. Alterations.
Owner—Mrs. I. L. Cavasso, Premises.
Architect—None.
Contractor—H. M. Barnett, 859 Alleen,
Oakland.
COST, \$400

GARAGE
(1961) NO. 155 ALVARADO ROAD,
Berkeley. Garage.

Owner—Walter Gompertz, Premises.
Architect—None.
Day's work. COST, \$400

ADDITION
(1962) NO. 2809 FOREST AVE., Berkeley. Addition.
Owner—Miss Anna Head, Premises.
Architect—None.
Contractor—H. W. Pierson, 2917 College Ave., Berkeley. COST, \$400

DWELLING
(1963) NE FORTY-SECOND AND Shafter Ave., Oakland. One-story 5-room dwelling.
Owner—T. Griffith, 4618 Walnut Ave., Oakland.
Architect—None.
Day's work. COST, \$2800

DWELLING
(1964) W THIRTY-FIFTH AVE 188, 225 and 263 N Lynde, Oakland. Three one-story 6-room dwellings.
Owner—Owen W. Johnson, 708 Oakland Bank of Savings Bldg., Okd. Architect—None.
Contractor—C. M. MacGregor, 470 13th Oakland. COST, \$2900 each

DWELLINGS
(1965) W THIRTY-FIFTH AVE 38, 75, 113 and 150 N Lynde, Oakland. Four one-story 6-room dwellings.
Owner—Owen W. Johnson, 708 Oakland Bank of Savings Bldg., Okd. Architect—None.
Contractor—C. M. MacGregor, 470 13th Oakland. COST, \$2900 each

DWELLINGS
(1966) W THIRTY-FIFTH AVE 50, 88, 125 and 163 S Lynde, Oakland. Four one-story 6-room dwellings.
Owner—Owen W. Johnson, 708 Oakland Bank of Savings Bldg., Okd. Architect—None.
Contractor—C. M. MacGregor, 470 13th Oakland. COST, \$2900 each

DWELLING
(1967) NE THIRTY-FIFTH AVE & Lynde, Oakland. One-story 6-room dwelling.
Owner—Owen W. Johnson, 708 Oakland Bank of Savings Bldg., Okd. Architect—None.
Contractor—C. M. MacGregor, 470 13th Oakland. COST, \$2900

BARN, ETC.
(1968) S ALAMEDA AVE opp. 38th Ave., Oakland. One-story barn and stable.
Owner—Hutchinson Co., 17th and Broadway, Oakland.
Architect—A. W. Smith, 1010 Broadway, Oakland.
Contractor—N. A. Andersen, 1927 Napa Ave., Oakland. COST, \$2500

GARAGE
(1969) S MCKINLEY AVE 97 and 144 W Capell, Oakland. Two one-story garages.
Owner—Ruegg Bros., 719 Pacific Bldg., San Francisco.
Architect—None.
Day's work. COST, \$750 each

ALTERATIONS
(1970) NO. 1657 ELEVENTH, Oakland. Alterations.
Owner—S. W. Pankey, Premises.
Architect—None.
Contractor—F. Fallmer, 536 27th, Okd. COST, \$419

ADDITION
(1971) NO. 5863 BIRCH COURT, Oakland. Two-story addition.
Owner—Henry C. Tonjes, 5863 Birch Court, Oakland.
Architect—None.
Contractor—Carl Schmitt, 1614 Wad, Berkeley. COST, \$645

SCHOOL BLDG.
(1970) SE HILLEGAS AVE. and Dwight Way, S 135.56, E 172.03, N 149.47 W 160. All work of excavation, grading and concrete work, angle lintels, mullion struts and transom T bars for 4 story and basement reinforced concrete school building.
Owner—Berkeley Baptist Divinity School.

Architect—Julia Morgan, Merchants' Bx. Bldg., San Francisco.
Contractor—Thomas Cavanagh, 180 Jessie, San Francisco.
Filed Sept. 10, '19. Dated Sept. 8, '19. 1st and 15th of each month.... 75%
Usual 35 days 25%
TOTAL COST, \$26,447
Bond, \$13,225. Sureties, American Indemnity Co. Forfeit, Limit, none. Plans and specifications filed.

ALTERATIONS
(1973) NO. 2960 CLAREMONT BLVD., Berkeley. Alterations.
Owner—Frank Hall, 2647 Piedmont Ave., Berkeley.
Architect—None.
Contractor—F. E. Allen, 2718 Regent, Berkeley. COST, \$1500

DWELLING
(1974) E AMADOR 150, N Shattuck Ave., Berkeley. One-story 6-room dwelling.
Owner—Elph Eltse, Berkeley.
Architect—None.
Contractor—H. H. Schussler, 2436 Telegraph Ave., Berkeley. COST, \$4000

DWELLING
(1975) NE CHESTNUT AND HEARST Ave., Berkeley. One-story 5-room dwelling.
Owner—R. H. Bradshaw, 6429 Telegraph Ave., Oakland.
Architect—None.
Contractor—G. Helbing, 1817 Chestnut St., Berkeley. COST, \$2000

DWELLING
(1976) SE THIRTY-EIGHTH 80 E 14th Ave., Oakland. One-story five-room dwelling.
Owner—Chas. F. Brown, 2607 22nd Ave., Oakland.
Architect—None.
Contractor—A. Stenbro, 2122 Vicksburg Ave., Oakland. COST, \$2500

MACHINE SHOP
(1977) NE TWENTY-THIRD AND Valley, Oakland. One-story brick machine shop.
Owner—C. T. Elliott, 2708 Benvenue Ave., Berkeley.
Architect—Clay N. Burrell, 1st Saving

Bank Bldg., Oakland.
Contractor—F. A. Muller, Syndicate Bldg., Oakland. COST, \$13,000

DWELLING
(1978) N LAKESHORE AVE 200 E Winsor, Oakland. Two-story 7-room dwelling.
Owner—M. Mazor, 2225 Harrison St., Oakland.
Architect—None.
Contractor—F. N. Strang, 1405 Central Ave., Alameda. COST, \$6000

DWELLING
(1979) N LOCKWOOD 200 E 73rd Ave., Oakland. One-story 7-room dwelling.
Owner—J. M. Tyken, 7424 Lockwood, Oakland.
Architect—None.
Contractor—B. B. Huff, 927 40th Ave., Oakland. COST, \$4000

ADDITION
(1980) E LEWIS 100 S Seventh. One-story brick addition to garage.
Owner—H. C. Nor.
Architect—None.
Contractor—Hancock & Lydksen, 1244 29th Ave., Oakland. COST, \$3988

DWELLING
(1981) W HEARN 250 S Chabot Road, Oakland. One-story 5-room dwlg.
Owner—James Kirkland, Cor. Chabot Road and Hearn, Oakland.
Architect—None.
Contractor—W. T. Whitford, 421 42d, Oakland. COST, \$3000

DDWELLING
(1982) E WEBSTER 50 S Forty-second, Oakland. One-story 5-room dwelling.
Owner—G. L. Winn, 1534 Franklin, Oakland.
Architect—None.
Contractor—California Builders' Co., 1534 Franklin, Oakland. COST, \$3800

DWELLING
(1983) E AUSEON AVE 240 N Plymouth, Oakland. One-story 5-room dwelling.
Owner—Joseph Simmons, 270 McAllister, San Francisco.
Architect—None.
Contractor—H. O. Hanson, 76 3rd St., San Francisco. COST, \$2500

DWELLING
(1984) S "B" ST. 250 E Jones Ave., Oakland. One-story 6-room dwlg.
Owner—J. T. Freitas, 1238 97th Ave., Oakland.
Architect—None.
Day's work. COST, \$2500

DWELLING
(1985) S ALCATRAZ AVE 140 E Shattuck Ave., Oakland. One-story 4-room dwelling.
Owner—Arthur T. Ehrenport, 675 Alcatraz Ave., Oakland.
Architect—None.
Contractor—E. W. Larmer, 470 Boulevard Way, Oakland. COST, \$2500

SCHOOL
(1986) SE E-TWELFTH AND 37th Ave., Oakland. One-story 1-room

frame school.
Owner—City of Oakland.
Architect—None.
Contractor—John R. Faulkes, 9828 E-14th, Oakland.
COST, \$1350

SCHOOL

(1987) NE COR. ELMWOOD AND 29th Ave., Oakland. One-story one-room frame school.
Owner—City of Oakland.
Architect—None.
Contractor—John R. Faulkes, 9828 E-14th, Oakland.
COST, \$1250

SCHOOL

(1988) E-FOURTEENTH & SIXTY-EIGHTH AVE., Oakland. Two one-story one-room schools.
Owner—City of Oakland.
Architect—None.
Contractor—John R. Faulkes, 9828 E-14th, Oakland.
COST, \$1200 each

GARAGE

(1989) SE FORTIETH AND RUBY, Oakland. Garage.
Owner—J. Bouquett, Premises.
Architect—None.
Contractor—J. R. Bonds, 3568 Douglas Oakland.
COST, \$400

(1990) E SIXTY-NINTH AVE 50 N Hawley, Oakland. One-story 4-room dwelling.
Owner—E. A. Cook, 1025 68th Ave., Oakland.
Architect—None.
Day's work.
COST, \$600

ADDITION

(1991) NO. 417 TWELFTH, Oakland. One-story brick addition.
Owner—Kailer & Harbert, Premises.
Architect—None.
Contractor—John Anderson, 874 34th, Oakland.
COST, \$500

ALTERATIONS

(1992) NO. 460 TWELFTH, Oakland. Alterations.
Owner—F. Hartsook, 41 Grant Ave., San Francisco.
Architect—None.
Contractor—F. G. Jones, 1217 Webster Oakland.
COST, \$485

ALTERATIONS

(1993) NO. 607 TWENTY-EIGHTH, Oakland. Alterations.
Owner—Fred C. Ruppertz, 611 28th, Oakland.
Architect—None.
Day's work.
COST, \$400

ADDITION

(1994) NO. 2515 ELSWORTH, Berkeley. Addition.
Owner—W. F. Harty, Premises.
Architect—None.
Contractor—Harry Connolly, 2108 Channing Way, Berkeley.
COST, \$500

GARAGE

(1995) NO. 2950 AVALON AVE., Berkeley. Garage.
Owner—Samuel B. Welsh, Oak Knoll Terrace, Berkeley.
Architect—None.
Contractor—F. E. Allen, 2718 Regent, Berkeley.
COST, \$1000

DWELLING

(1996) W BEVERLY PLACE 145 N Hopkins, Berkeley. One-story five-room dwelling.
Owner—Roy O. Long, Elks Club, Bkly. Architect—W. L. Broderick, Colusa & Posen Sts., Berkeley.
Contractor—H. P. Sheridan, 2815 Grove Berkeley.
COST, \$3500

ALTERATIONS

(1997) NO. 2830 CENTRAL AVE., Alameda. Alterations.
Owner—M. J. Rosseck, Premises.
Architect—None.
Contractor—J. C. Howett, 1320 Grove, Alameda.
COST, \$575

DWELLING

(1998) NO. 2040 SANTA CLARA AVE., Alameda. One-story 1-room dwlg.
Owner—Captain Moser, Premises.
Architect—None.
Contractor—C. Roth, 2117 Pacific Ave., Alameda.
COST, \$1700

DWELLING

(1999) NO. 563 LINCOLN AVE., Alameda. One-story 6-room dwelling.
Owner—C. A. Arents, 4430 Walnut St., Alameda.
Architect—None.
Contractor—Oakley & Kolwodin, 1911 65th Ave., Oakland.
COST, \$8750

ALTERATIONS

(2000) NO. 1040 LINCOLN AVE., Alameda. Alterations.
Owner—Miss M. Dufour, Premises.
Architect—None.
Contractor—F. A. Leoni, 453 Noe St., San Francisco.
COST, \$1000

ADDITION

(2001) NO. 1818 ST. CHARLES ST., Alameda. Addition.
Owner—S. Fortayon, Premises.
Architect—None.
Day's work.
COST, \$415

GARAGE

(2002) NO. 917 PARU, Alameda. Two story garage.
Owner—W. W. Horkall, Premises.
Architect—None.
Contractor—E. A. Randlett, 1534 Chestnut St., Alameda.
COST, \$800

ALTERATIONS

(2003) NO. 539 FILBERT, Oakland. Alter one-story dwelling into two-story flats.
Owner—Pasquale Silvester, Premises.
Architect—None.
Contractor—Francis & Carlson, 1281 42nd Ave., Oakland.
COST, \$2000

APARTMENTS

(2004) S VAN BUREN AVE 90 E Lenox, Oakland. Two-story 12-room apartments.
Owner—Mrs. Mary E. Astrue, 3005 Grove, Oakland.
Architect—J. H. Christis, 6636 Dana, Oakland.
Contractor—H. Nielsen.
COST, \$8750

DWELLING

(2005) W LOMA VISTA AVE 250 N Kansas, Oakland. One-story 2-room

dwelling.

Owner—N. J. Gould, 829 E-19th, Okd. Architect—None.
Contractor—W. C. Gould.
COST, \$650

ALTERATIONS

(2006) NO. 672 FIFTY-FIRST, Oakland. Alterations.
Owner—J. G. Herr, Premises.
Architect—None.
Day's work.
COST, \$475

ALTERATIONS

(2007) FOOT ADELINE ST., Oakland. Alterations.
Owner—Boiler Makers Union, 1723 Broadway, Oakland.
Architect—None.
Contractor—Perry Burlingame, 1232 52nd Ave., Oakland.
COST, \$475

GARAGE

(2008) NO. 1820 CARLTON, Berkeley. Garage.
Owner—Adeline M. Reynolds, Premises.
Architect—None.
Day's work.
COST, \$400

DWELLING

(2009) SW CLAREMONT BLVD. AND Avalon, Berkeley. Two-story 8-room dwelling.
Owner—Mrs. J. T. Hamilton, Pittsburg Penn.
Architect—A. L. Bryant, 1st National Bank Bldg., Oakland.
Contractor—J. A. Marshall, 5672 Kelth, Oakland.
COST, \$10,000

ALTERATIONS

(2010) NO. 2735 HASTE, Berkeley. Alterations.
Owner—T. A. Rickard, Premises.
Architect—None.
Contractor—H. C. Kidder, 2075 Addison, Berkeley.
COST, \$500

GARAGE

(2011) NO. 2818 STUART, Berkeley. Garage.
Owner—Mrs. Wright, Premises.
Architect—None.
Contractor—D. T. Blethroad, 1732 Milvia, Berkeley.
COST, \$800

ALTERATIONS

(2012) NO. 2564 Buena Vista Ave., Berkeley. Alterations.
Owner—Hazel S. Armstrong, Premises.
Architect—None.
Contractor—H. H. Porter, 2563 Buena Vista Ave., Berkeley.
COST, \$500

DWELLING

(2013) E FOURTEENTH AVE 200 S Park Blvd., Oakland. One-story 6-room dwelling.
Owner—J. A. Brown.
Architect—None.
Contractor—C. E. Burks, 4152 Randolph Ave., Oakland.
COST, \$2500

DWELLING

(2014) E ELEVENTH AVE 40 N E-24th, Oakland. One-story 5-room dwelling.
Owner—Austine E. Farmer, 1732 Webster, Oakland.
Architect—None.
Contractor—Robert W. Farmer, 1789

Webster, Oakland.

COST, \$2950

SERVICE STATION

(2015) SE AILEEN & SAN PABLO Ave., Oakland. One-story concrete service station.

Owner—Starr C. Cahill, 1015 56th St., Oakland.

Architect—None.

Contractor—H. B. Williams, Bank of Italy Bldg., Oakland.

COST, \$500

REPAIRS

(2016) NE THIRTEENTH & CLAY, Oakland. Roof repairs.

Owner—"Money Back" Smith, Prem.

Architect—None.

Contractor—National Roofing Co., 565 16th, Oakland.

COST, \$450

COMPLETION NOTICES.

Alameda County.

Sept. 5, 1919—E EVANS AVE 90 S Everett Ave., Okd. Katharine Houck to Harry L. Houck.

.....Sept. 5, 1919

Sept. 9, 1919—LOT 13 AND W ½ lot 14 block 16 map Lakeshore Highlands, Oakland. John Bake-

well, Jr. to C M MacGregor.

.....Aug. 30, 1919

Sept. 11, 1919—S FIFTY-NINTH 45 W Dover 42x560, Okd. I E Thayer Realty Co. to whom it may concern

.....Aug. 11, 1919

Sept. 11, 1919—SW FIFTY-NINTH & Dover 45x560, Okd. I E Thayer Realty Co. to whom it may concern

.....Aug. 11, 1919

Sept. 12, 1919—LAND BDED by Foothill Blvd, Hilside St, 72d Ave., Garfield Ave and 69th Ave, Okd.

Chevrolet Motor Co. of Calif by F J Walker Co, Agent to C O Mun-

sonSept. 3, 1919

COMPLETION NOTICES.

Santa Clara County

Recorded Accepted

Aug. 29, 1919—LOTS 6 AND 9 BLK 12, Town of Sunnyvale. Minnie L Stowell to whom it may concern

.....Aug. 23, 1919

Sept. 2, 1919—NW RANDOL AVE & Chapman St., in the J B Randol Sbdvn. Clifford R and Bertha P

Palmer to A K Burkett. Aug. 28, 1919

Sept. 3, 1919—SOMG at a point in the S westerly line of Leigh St dat thereon 150 ft SE from the inter-

section thereof with the SW line of Lincoln Ave. John Duffield to

whom it may concern.Sept. 3, 1919

Sept. 5, 1919—LOT 24 Los Altos Orchard Acres. Rose Meliddy to Carl Lindholm.Aug. 19, 1919

BUILDING CONTRACTS.

Santa Clara County.

CONCRETE BLDG.

FOURTH AND LEWIS STS., San Jose.

Concrete and tile building.

Owner—California Prune & Apricot Growers, Market and San Antonio Sts., San Jose.

Architect—Wallace & Bush, Bank of San Jose Bldg., San Jose.

Contractor—Wallace & Bush.

COST, \$8000

CONCRETE BUILDING

NO. 333 S-FIRST ST., San Jose. Reinforced concrete building.

Owner—M. Renzel.

Architect—Wallace & Bush.

Contractor—Wallace & Bush, Bank of San Jose Bldg., San Jose.

COST, \$8500

ADDITION

WEST SANTA CLARA ST., San Jose.

Addition.

Owner—Dr. Higgins.

Architect—None.

Contractor—J. H. Miller, 101 S-16th, St., San Jose.

COST, \$1400

VAULT

NO. 76 N-FIRST ST., San Jose. Concrete vault.

Owner—San Jose Abstract Co., Prem.

Architect—None.

Contractor—W. A. McDaniels, 542 S-8th St., San Jose.

COST, \$1450

ALTERATIONS

COR. FIRST AND ST. JOHN STS., San Jose. Alterations and repairs.

Owner—Garden City Abstract Co., 15 W-St. John St., San Jose.

Architect—None.

Contractor—W. A. McDaniels, 542 S-8th St., San Jose.

COST, \$1500

SERVICE STATION

NW MARKET & SAN CARLOS STS., San Jose. All work for gasoline service station.

Owner—Associated Oil Co., 115 N-First St., San Jose.

Architect—None.

Contractor—R. O. Summers, 17 N-1st St., San Jose.

Filed Sept. 5, '19. Dated Aug. 15, '19.

On completion 75%

Usual 35 days 25%

TOTAL COST, \$2989

Bond, \$2989. Surety, Hartford Accident & Indemnity Co. of Conn. Limit, forfeit, none. Plans and specifications filed.

BUILDING CONTRACTS.

Sacramento County.

FRAME RESIDENCE

NO. 1821 "O" ST., Sacramento. Two-story frame residence.

Owner—Mrs. Minnie Duncan, Prem.

Architect—None.

Contractor—Jas. A. McCallough, Sacramento.

Filed Sept. 3, '19. Dated Aug. 26, '19.

COST, \$11,500

REPAIRS

NO. 2212 "N" ST., Sacramento. Repair fire damage.

Owner—Chan Ho.

Architect—None.

Contractor—G. E. Harvie, 2212 "T" St., Sacramento.

COST, \$2000

COLUMBARIUM

SACRAMENTO. Columbarium.

Owner—Sacramento Typographical Union, Sacramento.

Architect—None.

Contractor—C. J. Guth, 1516 27th St., Sacramento.

COST, \$1500

Architects Morrow & Garren, Chronicle Bldg., will shortly take figures for the addition of a one-story frame apartment flat for a structure in San Bruno, the estimate cost of which is \$7,000.

BUILDING CONTRACTS.

San Mateo County.

COTTAGE, ETC.

LOTS 3 AND 13 BLK 11, Menlo Park, San Mateo. All work for frame cottage, wood shed, pump house, green house and shop.

Owner—Chas. A. and Ada A. Shurtleff

68 Post St., San Francisco.

Architect—A. Lucy Worswick, 474

New Call Bldg., San Francisco.

Contractor—Weeden Bros., Menlo Park, Cal.

Filed Sept. 11, '19. Dated Sept.

Roof on cottage \$ 700.00

Cottage plastered 700.00

Cottage completed 858.00

Wood shed completed 465.00

Green house, pump house and

shop completed 1293.75

Usual 35 days 1339.25

TOTAL COST, \$5356.00

Bond, none. Limit, 60 working days.

Forfeit, none. Plans and specifications filed.

FRAME DWELLINGS

LOT 6 BLK 5, LOT 4 BLK 8, LOT 6 Blk 9, Ptn Lots 16 and 17 Blk 94;

Ptn Lots 35 and 36 Blk 84, City of Greater San Francisco. All work for five four-room and bath frame and stucco dwellings.

Owner—South San Francisco Land & Improvement Co., South San Francisco.

Architect—None.

Contractor—E. C. Peck Investment Co., Eucalyptus, South San Francisco.

Filed Sept. 6, '19. Dated Aug. 30, '19.

Frame up (each) \$ 757.50

Roof on (each) 757.50

Plastering finished (each) .. 757.50

Usual 35 days (each) 757.50

TOTAL COST, \$15,150.00

Bond, \$8500. Sureties, J. H. Dittau and F. H. Cunningham. Limit, 150

working days. Forfeit, \$5 per day. Plans and specifications filed.

BUILDING CONTRACTS.

San Joaquin County.

BRICK BUILDING

LINDSAY ST., bet. California and American Sts., Stockton. Brick

building.

Owner—Edwin Hess, 1225 N-California St., Stockton.

Architect—None.

Day's work. COST, \$9500

DWELLING

MAGNOLIA AND ACACIA STS., Stockton. Frame dwelling and garage.

Owner—G. O. Brodin, Stockton.

Architect—None.

Day's work. COST, \$4600

ADDITION

WEBER AVE. AND CALIFORNIA ST., Stockton. Addition.

Owner—Standard Oil Co., E-Weber Ave. and "C" St., Stockton.

Architect—None.

Day's work. COST, \$4800

ALTERATIONS

NO. 35 E-MAIN ST., Stockton. Re-model exterior of building.

Owner—Cunningham & Boggs, Stockton, Cal.

Architect—None.

Day's work.

COST, \$2646

ADDITION

POPLAR ST., bet. Monroe and Van Buren Sts., Stockton. Addition to building.

Owner—Geo. R. McLeod, 311 W. Poplar St., Stockton.

Architect—None.

Day's work.

COST, \$2000

RESIDENCE

NORTHWESTERN ADDITION, Stockton. Frame residence.

Owner—Stockton Land Association, Stockton.

Architect—None.

Day's work.

COST, \$2950

REPAIRS

NO. 417 "N" ST., Sacramento. Repair fire damage.

Owner—Chan Ho.

Architect—None.

Contractor—Herndon & Finnegan, 1714 16th St., Sacramento.

COST, \$1838

COMPLETION NOTICES.

Fresno County.

Recorded Accepted
Sept. 5, 1919—LOTS 7 AND 8 BLK
2, La Sierra Tract, Fresno. V H
Snoddy to whom it may concern...
.....Sept. 5, 1919

BUILDING CONTRACTS.

Fresno County.

DWELLING

LOTS 22 AND 23 BLK 18, North Park,
Fresno. Frame dwelling and garage.

Owner—L. R. Packwood, 126 Forsyth
Bldg., Fresno.

Architect—None.

Contractor—Shorb & Neads, 127 Fresno
Ave., Fresno.

COST, \$7000

DWELLING

LOTS 1 AND 2 BLK 16, North Park,
Fresno. Frame dwelling and garage.

Owner—F. J. Haber, 1245 "T" St.,
Fresno.

Architect—None.

Contractor—M. C. R. Nelsen, 1247 "T"
St., Fresno.

COST, \$10,000

DWELLING

LOTS 60 AND 61, Earlhurst, Fresno.
Frame dwelling.

Owner—John Miller, Fresno.

Architect—None.

Contractor—Morris Bros., 2031 Lewis
St., Fresno.

COST, \$2800

DWELLING

BLK 7, Hillcrest, Fresno. Frame
dwelling and garage.

Owner—L. H. Phillips, 1805 "J" St.,
Fresno.

Architect—None.

Day's work.

COST, \$4000

DWELLING

LOTS 40 AND 41 BLK 11 Altamont Addition,
Fresno. Frame dwelling and garage.

Owner—Mrs. I. S. South, 419 "M" St.,
Fresno.

Fresno.

Architect—None.

Contractor—C. V. Smith, Fresno.

COST, \$3968

STORE BUILDING, ETC.

LOTS 24, 25 AND 26 BLK 95, Fresno.

One-story fireproof restaurant and
store building.

Owner—C. Jovanovich and M. Ras-
mussen, 338 Van Ness, Fresno.

Architect—R. F. Felchin Co.

Contractor—R. F. Felchin Co., Rowell
Bldg., Fresno.

COST, \$22,000

ALTERATIONS

NO. 3125 TULARE ST., Fresno.

Alterations.

Owner—Mrs. C. Griffith, 173 Valeria
St., Fresno.

Architect—None.

Contractor—E. J. Farr, 249 Forth-
camp St., Fresno.

COST, \$1500

BIDS OPENED FOR ST. FRANCIS HOSPITAL BUILDING.

SAN FRANCISCO—The following
bids were opened September 12th by
Architect J. I. Coffey, and the Directors
of the St. Francis Hospital Association
for the proposed new Class "A"
additions at Bush and Hyde streets.
The bids were taken under advisement.

General Contract Including Carpenter
Work, Mill Work, Roof, Hardware
and Glass.

P. F. Reilly.....	\$74,800
Wegner & Blob.....	75,625
Monson Bros.....	77,000
Branch & Coffey.....	79,610
J. J. Leonard.....	80,000
Ira Coburn.....	84,620
Barrett & Hilp.....	85,368

Concrete Work.

Branch & Coffey.....	\$ 86,408
Mission Concrete Co.....	93,655
Monson Bros.....	96,700
K. E. Parker.....	100,900
Martin M. Fennell.....	100,986
P. Hurley.....	107,000
Barrett & Hilp.....	112,965
J. J. Leonard.....	120,000
Bos & O'Brien.....	122,517

Plastering.

J. Greenback.....	\$44,313
P. Bradley.....	53,970
F. O'Reilly.....	54,684
Lyden & Bickel.....	54,935
C. C. Morehouse.....	55,320
H. Bosch.....	55,600
A. Knowles.....	56,000
MacGruber & Co.....	56,690
W. G. Gilmour.....	56,900
G. E. Whitmore.....	57,362
L. Bosch.....	57,860
Jas. F. Smith.....	63,775
B. Melane.....	67,736

Grading.

A. J. Reeder.....	\$10,990
Bos & O'Brien.....	11,343
Carlin Grading Co.....	11,980
Eureka Teaming Co.....	13,385
Maurice Dillon.....	13,750
H. H. McClure.....	15,000
Sibley Grading & Teaming Co.....	16,500

PAINTER MIXED; PAINTS SCHOOL HOUSE, BUT IT'S WRONG ONE.

The Ukiah Press in its issue of September 5th has the following to say: All school houses look alike to G. A. Keller, well known local painter and paper hanger.

A few days ago he was engaged to

paint and re-paper the Willow school house, on the state highway south of this city. So he loaded his crew into an automobile and headed south. The job was finished in a few days, and a beautiful job it was. The old school building fairly sparkled in its dress of new paper and new paint. Keller was justly proud of his work of art.

Then came the awful awakening. He found that he had gone past the Willow school, and had painted and papered the Lima school house, near Largo.

BRONZE MEMORIAL CONTRACT AWARDED.

FAIRFIELD, Solano Co., Cal.—The Solano County Supervisors have awarded a contract to the O. L. De Rome Foundry Co., 1076 59th St., Oakland, for the construction of bronze Memorial to commemorate the memory of the Solano County boys who lost their lives in the great world war. The monument will cost about \$2,500.

August Building Figures Go "Over the Top".

City Building Records Show More Than Two and One-half Million Expended in Private Building.

That the building industry is confronted by a business heretofore unknown is shown by the activities of the past month. While a shortage of labor and materials exists in various parts of the country, they seem to have little effect on the situation in San Francisco and vicinity. Increased activities are reported from every section.

During the past month Chief Inspector of Buildings John P. Horgan reports the issuance of 547 building permits representing an expenditure of \$2,565,859, and which is segregated as follows:

"A".....	3	\$ 915,535
"B".....	2	285,000
"C".....	24	564,970
Frames.....	80	420,393
Alterations.....	436	320,251
Harbor Bldgs.....	2	59,710

Total 547 \$2,565,859
For the same period during the year 1918 the records of the Building Bureau show 324 permits granted representing a total of \$568,528, and of this amount \$198,782 was for work carried on by the municipality and the State Board of Harbor Commissioners.

Considering the figures of the past month, it might be said that San Francisco has entered upon its "after the war" building program—despite the so-called high prices, labor shortage and scarcity of material.

Architect Sidney B. Newsom, Nevada Bank Bldg., is taking segregated figures for a two-story and basement frame and brick veneer residence to be erected in Piedmont, Alameda County, for H. W. Harrold. The building will contain fourteen rooms and five bathrooms. A separate garage with living quarters is also provided for. The building will cost \$30,000.

FREE EXPERT ADVICE TO THE PUBLIC.

(Continued From Page 4)

neers, and dean of the department of civil engineering at the University of Illinois, who is known as the Father of the Reclamation Service, has the following interesting comment to make on the subject just touched upon, after an extended trip through the eastern and western parts of the United States:

"The greatest activity is in highway building. At this time there is a scarcity of experienced men. Money is being wasted for this reason. The general enthusiasm on the part of the public for good roads is apt to have a severe setback when the fact is discovered that many of the politically-appointed boards of supervisors—not engineers—are wasting the funds on experiments and schemes not approved by experienced engineers. It is the duty of local chapters and clubs of the American Association of Engineers to bring this matter to the attention of the voters of their respective communities in order that existing deficiencies in organization may be corrected and that the appointment of incompetents to offices requiring engineering training of the incumbent may be stopped."

Such action has already been taken by several of these local bodies of engineers. The Pittsburgh Chapter has commenced the practice of investigating the record and qualifications of candidates for county commissioner. When a citizen announces his candidacy for such an office, a special committee is appointed by the chapter to investigate his record. This committee finds out first if the candidate is an engineer; if he is, whether he has a clean record, and whether he belongs to any of the engineering societies; if he is not an engineer whether he has had experience in business which would qualify him fairly well for such an office. When the committee has made a complete investigation, the chapter considers at a meeting the data obtained, and listens to the presentation of the applicant's qualifications and intentions by the applicant himself, who has been invited to attend the meeting. The candidate is then either endorsed or not through the press.

Such a procedure is becoming more and more general by the local bodies of the A. A. E. In California, the Fresno Chapter has not confined its activities to endorsement or rejection of individual candidates, but has established the practice of investigating and advising the public concerning the merits and demerits of bond issues, special elections, etc. A special election was recently called in that locality at which a special tax to provide funds for the relief of existing deficits was to be voted upon. The chapter considered the whole matter after having had a committee report on it, and decided that the election was the only practicable means of remedying the situation. The next day it issued a special notice to all taxpayers, setting forth the reasons why this group of engineers believed that the special election was the only means of raising the money required, and requesting everyone in the country to vote on

election day, and vote "yes." An exceptionally large vote resulted, and the special tax was affirmed by a large vote.

Local chapters have been taking action on national questions as they were considered by Congress for sometime, but consideration has usually been confined to those bills which deal with public works, or which require in their framing expert engineering counsel. One of the bills which has been given almost universal support by local bodies of A. A. E. is the Townsend Bill, which provides for the creation of a national highway commission to have full charge of the construction of all national highways. This act has been considered by many local organizations of A. A. E., and has been almost universally approved by the membership on account of the construction measures in highway construction which it contains. Another bill before Congress which is receiving the united support of engineers is the Jones-Reaves Bill, which provides for a National Department of Public Works. In the September number of the *Monad*, the official publication of the American Association of Engineers, this bill is referred to as follows:

"Probably the most important measure ever advocated by the engineers of the United States is the Jones-Reaves Bill providing for the establishment of a National Department of Public Works, which has been introduced into both houses of Congress at the request of the Engineers', Architects', and Constructors' Conference on National Public Works."

This bill is designed to consolidate all the civil engineering activities of the government in one department. At the present time there exists the greatest hodge-podge of organization of such activities; the supervising architect's office is a part of the Treasury Department; the Coast and Geodetic Survey, which is charged with mapping coasts and charting waters, and which is made up of hundreds of engineers, is a part of the Department of Commerce; the Bureau of Standards is likewise a part of that department. The Bureau of Public Roads and the Forest Service are attached to the Department of Agriculture. All these subdivisions of the government are engineering activities; and such can be administered with the greatest economy if they are grouped into one department where they can be directed by a competent head, and where they will be free from the petty intra-department politics. Such a department would conduct the civil engineering activities of the government on a sane basis, and would do away with the present inefficient, hand-to-mouth means of building our great public works. The United States is the one and only nation, with one exception, who does not administer its public works through such a department. In attempting to have such a bill passed and thus stop the present waste of public funds, the engineers of the nation are performing a great service.

Services to the public on the part of engineers will not be limited to such national questions which affect the great body of citizens only indirectly. The investigation of candidates for public offices should be filled by men

who are competent to direct engineering or allied activities; the investigation of proposed public works, such as municipal bridges, buildings, water works, sewage disposal plants, and highways, railroad grade-crossing eliminations, and other improvements in which the public has a vital interest and in the determination of the practicability of which there is required expert investigation; in such ways will the engineering profession perform its great free service to the public.

Chapters and clubs of the American Association of Engineers are being formed so rapidly throughout the United States that it is almost impossible to maintain an up-to-date list of them. Some of these chapters will themselves be of great size before long, the Chicago Chapter already has over a thousand members. The effect of the war on the younger engineers is to give them a new faith in engineering works as a result of the great success of engineering machinery in the war, and a broad outlook which no longer limits their field of vision to their own little communities. They are throwing their energies into public service, and the American Association of Engineers is directing these energies toward the building up of great local bodies of the Association which will serve the public locally through their own efforts, and the nation by the co-ordination of their efforts through the National Headquarters of A. A. E.

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Bonds of \$350,000 were recently voted by the City of Modesto to finance the construction of school improvements. The issue will provide \$185,000 for altering and remodeling the four grammar schools, and \$165,000 for enlarging the present high school, and the construction of a gymnasium. C. R. Gailfus is President of the Board of Education.

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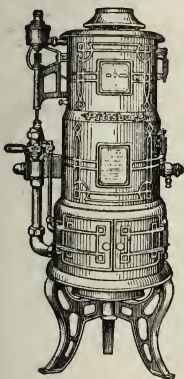
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Committee Meeting Every Friday, 7:30 P. M. at Chapter Office.

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American Association of Engineers

FRESNO CHAPTER, A. A. E.

Minutes of Meeting at Commercial Club, Sept. 13, 1919.

The meeting was called to order by temporary Chairman L. E. Smith at 3:30 p. m., with about 35 members and friends present. Messrs. Rantsma, Jensen and Morrison were appointed to nominate officers for the Chapter for the ensuing year. During their conference, Mr. Smith announced that he was being transferred by the Santa Fe R. R. from Fresno to the south, and that he would be unable to be with us after this evening.

Mr. I. Tellman, manager of the Fresno Canal & Land Co., and Mr. D. W. Chamberlin, assistant engineer of the Fresno County Highways, were called upon and spoke briefly of their work and their attitude toward the local chapter of the A. A. E.

Mr. Rantsma then presented the report of the nominating committee: For President, D. W. Chamberlin and Clarence Murray; for Secretary, Jean L. Vincenz; for Treasurer, Clarence Murray and A. Segel; for 1st Vice-President, R. E. Cowell and Wm. P. Vinton; for 2nd Vice-President, F. B. Pope and E. C. Smith; for 3rd Vice-President, W. F. Rantsma, Andrew Jensen and A. R. Morrison. There being no more nominations made from the floor, voting by ballot elected the following officers: President, D. W. Chamberlin; Secretary, Jean L. Vincenz; Treasurer, Clarence Murray; 1st Vice-President, R. E. Cowell; 2nd Vice-President, F. B. Pope; 3rd Vice-President, A. R. Morrison.

With Mr. Chamberlin in the chair, it was moved, seconded and carried that a standing vote of thanks be extended to Mr. L. E. Smith for his loyalty, hard and successful work in organizing the Fresno Chapter.

Moved, seconded and carried that the President and the three Vice-Presidents be elected as the executive committee.

Messrs. Rantsma, Jensen and E. C. Smith were nominated as the auditing committee. Moved, seconded and carried that nominations be closed. Nominees elected.

Moved, seconded and carried that the Treasurer collect 50c from all members present to meet the deficit and current expenses.

Moved, seconded and carried that the Secretary be instructed to send a vote of thanks to the Commercial Club for the generous use of their club rooms for our meetings.

Moved, seconded and carried that the Secretary inform the National Committee of the A. A. E. that the Fresno Chapter is in favor of keeping the entrance fee as it is till the next annual convention.

Moved, seconded and carried, that the Secretary should buy a book for keeping the signatures of all members and friends at each meeting, and that the Treasurer should allow the Secretary not more than \$2.00 for the purchase of said book.

Mr. Morrison read a letter from National Headquarters, and it was moved, seconded and carried that the executive committee form a condensation of this letter, have copies made of the same and mailed to all members for their use.

Moved, seconded and carried that each member should endeavor to secure two or more members before January 1, 1920.

Meeting adjourned.

JEAN L. VINCENZ,
Secretary.

NEWS ITEM.

The Eureka Club has elected the following: President, H. H. Hannah; Secretary, F. W. Howard; Treasurer, E. D. Gardner; Social Promoter, E. J. McCracken.

PRESIDENT NEWELL IN SOUTHERN CALIFORNIA.

Report of Visit to Los Angeles Chapter.

It is certain that the stir in engineering circles caused by hearing President Newell's views on conditions in the profession and the work of the American Association of Engineers at the time of his visit to Los Angeles has greatly helped the reputation of the Association in this vicinity. The prestige of our President among engineers in this region is very great, due to his dominating part in the work of reclamation of western lands, and for the same reason he has many personal friends within that profession and among public spirited people on the coast. These facts alone guaranteed a most sympathetic attitude and respectful attention to his ideas from the hundreds or more men of all branches of the profession who gathered at the banquet given by the Los Angeles Chapter at the City Club on Friday evening, August 29th.

Remarks made both in the discussion that followed the President's address

on "Problems of the Modern Engineer," and privately by non-members of our Association and engineers known to be leaders in other organizations, were most hearty in their recognition of the accuracy of Dr. Newell's analysis of the situation today of the "Profession of Ingenuity," or Engineering. It was as if the majority had had the speaker's ideas in their sub-conscious minds all along and only needed to hear them expressed by one possessed of their confidence to produce conviction. As one frank consulting engineer of experience and good judgment related in the free-for-all discussion after the address:

"I received some literature by mail a while ago about this new society called the American Association of Engineers; looked at it, and threw it into the waste basket, muttering to myself, 'Another one of those confounded fool new societies' Too many of them already" But I begin to think it may not be so foolish after all."

These salient points, among many others, were received with audible approval:

(a) The engineer is pre-eminently the "man of ingenuity, and works particularly from his ears up." He is also, as a type, a man of altruistic and generous attitude towards the world in general. His desire for compensation up to the value of his services is not so much from sordid selfishness as to increase his capacity for efficient work in the profession of his choice, by relieving himself of worry over obtaining the necessities of life. He loves his work!

(b) A real engineer does not naturally line up with labor union policies and attempts to place him under labor control have failed. The engineer believes in increased efficiency and output. The union strives for an average standard of efficiency and limitation of output. The A. A. E. is in no sense a labor union.

(c) It is one object of the A. A. E. to help bring the individual engineer to the position that fits his particular abilities. This promotes efficiency and good name for the profession.

(d) We must learn self-expression and overcome our reputation for unresponsiveness in public affairs.

(e) This is a "political organization," in the right and honorable sense of the term, but not a partisan one.

(f) Engineers ask only the worth of what they produce, and as a means of getting the value of this, the A. A. E. proposes to demonstrate to the public what the profession does produce.

(g) The public and public officials must be educated as to what an engineer is and what he is able to do. We must see to it that public officers, calling for engineering ability, must be filled only by engineers!

(h) Public respect for the profession is often measured by amount of compensation known to be received.

(i) Organization—the power of men when acting "in masses" is a characteristic conviction of humanity. In these times, Engineers must fall in line with this idea or find their influence as a class without substantial effect.

It is believed that the representative engineers of Southern California are not so surprised at these doctrines as relieved and pleased to find that a national organization of 6500 members, and growing at the rate of 1,000 per month, actually exists and is now attacking the welfare and human problems of the profession under reliable and well-known leaders, to the undoubted benefit of all concerned.

The courtesy of presiding at the banquet and open meeting was extended by Chapter President Shibley to President H. Z. Osborne, of the Engineers and Architects Association of Southern California, a Los Angeles technical organization of some 300 members, in which the proposition of joining the A. A. E. as a body is now being canvassed.

Dr. Newell had opportunity after the meeting and the following day to feel the engineering pulse in many personal private interviews with engineers of all sorts. The officers and committees of the Los Angeles Chapter, representing some 60 members, and a score or more of applicants, held a lively executive session with the National President and kept up a running fire of questions and opinions on all sorts of Association matters. The officers of the Engineers' and Architects' Association were present at this session and were considered as belonging to the family. Said family bids fair to increase to some 400 or 500 members before the end of the year, a result which, if attained, will be largely attributable to the force of influence and example of President Newell. We believe that these personal visits of National officers will generally, as in the present case, be found to fully justify the trouble and expense involved.

A. L. HARRIS, Secretary.
Los Angeles, Calif., Sept. 4, 1919.

NEWS FROM NATIONAL HEAD- QUARTERS.

A State convention of the engineers and architects of Ohio will be held in Columbus, Ohio, on October 14 and 15, under the auspices of the Association of Ohio Technical Societies. Four principal subjects will be advanced. M. O. Leighton, chairman of the Engineers', Architects' and Constructors' Conference, will speak on "The National Department of Public Works"; Dr. F. H. Newell, of the American Association of Engineers, will speak on "Closer Cooperation in the Engineering Profession"; Charles Whiting Baker, consulting editor of the Engineering News-Record, will address the convention on the "Compensation of Engineers and Architects"; and Professor Gardner S. Williams, of the University of Michigan, will discuss the "Registration of Engineers and Architects."

The North Carolina Society of Civil Engineers has voted to proceed with the consolidation with the American Association of Engineers, and to carry out the affiliation as soon as the committee appointed to conduct the negotiations has completed its work. The president of the society is Dr. W. C. Riddick, President of North Carolina State College.

A 32-page progress report issued recently by the railroad committee of the American Association of Engineers contains the entire story of the negotiations which have been carried on by the Association relative to increased salaries of railroad engineers, and which have been highly successful. The salary case of the railroad professional engineer was championed for the first time last October, when the Association asked the wage board of the administration for a hearing at which the claims of these engineers might be presented. This hearing was finally obtained last March, just after a conference had been held in Chicago by the Association at which several hundred engineers adopted schedules of salaries for various positions which were underpaid. The hearing resulted in favorable action by the wage board, and the point was almost reached where the board was to issue a wage order placing new salaries into effect over the entire country. The movement for higher salaries looked like a complete success. Then came the blow. The administration took the matter out of the hands of the wage board. The Director of the Division of Operation advised National Headquarters of A. A. E., however, that regional directors had been given authority and instructions to make proper adjustments of salaries in their respective regions. It was then necessary to conduct independent negotiations with each regional director. This occupied the railroad department of the Association for almost three months; until, finally, the Northwestern Region issued the first order which has been issued in any region and which granted increases in salaries which brought the new rates approximately up to those which had been recommended by A. A. E. Since then the Eastern Region has announced that its new rates for professional engineers are ready in the rough, although they are not yet printed for distribution. Results are expected also in two other regions before the first of October. The report gives a resume of the history of the case to date, including reproduction of some of the correspondence. It will be mailed to interested persons who send their names to National Headquarters at 63 East Adams street, Chicago, as long as the surplus copies last.

Frank B. Roth of Philadelphia has accepted the position of chief engineer of the Lehigh Structural Steel Co., of Allentown, Pa. He was formerly President of the Philadelphia Chapter of the American Association of Engineers.

The committee of the American Association of Engineers on salaries of engineers in public service has been increased by the addition of J. H. Prior, consulting engineer of Chicago, who is also a member of the Board of Directors of the Association. The mu-

nicipal section of this committee has been partially organized with S. C. Hadden, editor of Municipal County Engineering as chairman. The remainder of the committee will consist for the present of municipal engineers chosen with a view to giving adequate representation to every part of the country. The state highway engineer section has completed a tentative compensation which will soon be sent generally to highway engineers through the United States for suggestions and criticism. Plans are being formulated for the organization of another section, as well as the state highway engineer section, which will be headed by A. N. Johnson, consulting highway engineer of the Portland Cement Association. It is expected that the state highway engineer schedule will be made public in November. The municipal schedule, it is hoped, will be ready for publication in December. After September 20 address the American Association of Engineers at 63 East Adams Street, Chicago.

HIGHWAY MAINTENANCE.

By G. M. N.

II.

Millions have been voted for road construction and millions will be voted for road construction, but the people have so far been giving little heed to what they are getting for their money. They have been officially told that so many miles have been built, and that has satisfied them so far, but it is not likely to keep on satisfying them very long. When the taxpayers after paying for the construction of roads that won't stand the gaff on the heavily traveled routes are being asked every two years to supply more funds in an ever-increasing ratio to maintain—that is reconstruct—these same roads they commence to feel that miles of roads also mean miles of reconstruction. If the taxpayer in addition hereto starts figuring out how many years he still has to pay on the first bond issue and that for every new bond issue he piles on himself the price of road making materials and automobiles is climbing still higher, he—the taxpayer—is liable to take a sudden flop in the opposite direction and put a heavy boot on any and all expenditures for road construction. Road construction has so far not taken into consideration the development of the automobile truck as a carrier of the products of the farm, the mines and the mills from the point of production to the main railroad lines. The auto truck is with us to stay and will in the future play a very great part in the economical handling of all kinds of freight, both perennial and seasonal, and the road engineer must give heed to this development, not by arbitrary rules and police orders but by an intelligent study of what part of the increasing bulk of both the traffic and the load shall be met by a more durable road, and what part shall be met by a limitation on the load. We shall attempt to analyze the truck situation as it exists today and point out the effect it is likely to have on our whole road policy. On September 7 there appeared in the San Francisco Examiner a full page announcement by the "Ship by Truck" Bureau of the Firestone Tire Co., of which we extract the following:

SHIP BY TRUCK.

And What It Means.

In the business reconstruction which is destined to make greater demands on the transportation agencies of the country than any known heretofore "Ship by Truck" furnishes the answer to a host of questions which cannot be answered in any other way.

Agriculture, manufacturing, commerce, are every day relying more and more on "Ship by Truck."

The merchant who must have quick delivery is utilizing the truck, at once powerful and ubiquitous, to get goods to his customers on the shortest notice.

In the problems of wholesale shipping—carrying commodities from the factory to the railroad station, raw material from the railroad to the factory, or goods from the station to the wholesale or retail store—again truck freighting represents a vast volume of traffic which is continually on the increase.

So with the farmer, with the help of the truck, he can sell his products in his own vicinity, and then dispose of his surplus in the neighboring city.

The truck meets the requirements both of local and general freight traffic. It is the only carrying device which perform this dual function. It, and it alone, bridges the gap between railroad or waterway traffic, and the traffic which is localized.

It was the war which gave what was, up to then, the culminating demonstration of the capabilities of "Ship by Truck." Trucks kept open the communications of Verdun, when the railroads were cut by the German fire.

The military efficiency of the truck, proven in every campaign in Europe and in the big role of trucks in forwarding military supplies from the interior to the Atlantic seaboard of this country, is now to find its fitting sequel in nation-wide use of truck freighting for the agricultural, industrial and commercial purposes of the peace era. Ship by Truck.

Truck Transportation Companies Operating Out of San Francisco and Oakland.

Route No. 1—Distance: 100 miles round trip. Schedule daily, 6 companies operating. San Francisco to San Jose via Palo Alto. Covers Colma, Millbrae, Burlingame, San Mateo, Belmont, San Carlos, Redwood City, Menlo, Palo Alto, Mountain View, Santa Clara, San Jose.

Route No. 2—Distance: 42 miles round trip. Schedule daily, 1 company operating. San Francisco to San Rafael via Fairfax. Covers, Sausalito, Corte Madera, Larkspur, Kentfield, Ross, San Anselmo, Fairfax, San Rafael.

Route No. 3—Distance: 18 miles round trip. Schedule daily, 1 company operating. San Francisco to Mill Valley via Sausalito. Covers Sausalito, Mill Valley.

Route No. 4—Distance: 4½ miles round trip. Schedule daily, 1 company operating. San Francisco to Sausalito. No intermediate points.

Route No. 5—Distance: 80 miles round trip. Schedule daily, 1 company operating. San Francisco to Livermore via Oakland. Covers Oakland, Elmhurst, Melrose, San Leandro, Hayward, Dublin, Santa Rita, Livermore.

Route No. 6—Distance: 20 miles round trip. Schedule daily, 7 companies operating. San Francisco to Berkeley via Oakland.

Route No. 7—Distance: 15 miles round trip. Schedule daily, 7 companies operating. San Francisco to Piedmont via Oakland.

Route No. 8—Distance: 20 miles round trip. Schedule daily, 7 companies operating. San Francisco to Alameda via Oakland.

Route No. 9—Distance: 20 miles round trip. Schedule daily, 7 companies operating. San Francisco to Melrose via Oakland.

Route No. 10—Distance: 180 miles round trip. Schedule daily, 2 companies operating. San Francisco to Sacramento via river steamer. Connects with truck lines operating to Dixon, Winters, Davis, Folsom, Auburn, Placerville, Roseville, Wheatland, Marysville, Yuba City, Gridley, Chico, Tehama, Red Bluff and Redding out of Sacramento.

Route No. 11—Distance: 180 miles round trip. Schedule daily, 2 companies operating. San Francisco to Stockton via river steamer. Connects with truck lines operating to Fresno and way points, Lodi, Oakdale and Sonora out of Stockton.

Route No. 12—Distance: 120 miles round trip. Schedule daily, 1 company operating. San Francisco to Napa via river steamer. Connects with truck lines operating out of Napa.

Route No. 13—Distance: 194 miles round trip. Schedule daily, 1 company operating. Oakland to Sacramento via river steamer. Connects with truck lines operating to Dixon, Winters, Davis, Folsom, Auburn, Placerville, Roseville, Wheatland, Marysville, Yuba City, Gridley, Chico, Tehama, Red Bluff and Redding out of Sacramento.

Route No. 14—Distance: 194 miles round trip. Schedule daily, 1 company operating. Oakland to Stockton via river steamer. Connects with truck lines operating to Fresno and way points, Lodi, Oakdale and Sonora out of Stockton.

Route No. 15—Distance: 134 miles round trip. Schedule daily, 1 company operating. Oakland to Napa via river steamer. Connects with truck lines operating out of Napa.

Route No. 16—Distance: 12 miles round trip. Schedule daily, 7 companies operating. Oakland to San Francisco.

Route No. 17—Distance: 50 miles round trip. Schedule daily, 1 company operating. Oakland to Niles via Hayward. Covers Melrose, Elmhurst, San Leandro, Hayward, Niles.

Route No. 18—Distance: 60 miles round trip. Schedule daily, 1 company operating. Oakland to Irvington via Niles. Covers Melrose, Elmhurst, San Leandro, Hayward, Niles, Irvington.

Route No. 19—Distance: 24 miles round trip. Schedule daily, 1 company operating. Oakland to Richmond via Berkeley. Covers Berkeley, Albany, El Cerrito, Richmond.

Route No. 20—Distance: 155 miles round trip. Schedule daily, 1 company operating. San Francisco to Stockton via Livermore. Covers Oakland and Stockton only. No way points.

Route No. 21—Distance: 30 miles round trip. Schedule daily, 1 company operating. Oakland to Hayward via

San Leandro. Covers Melrose, Elmhurst, San Leandro, Hayward.

Route No. 22—Distance: 110 miles round trip. Schedule daily, 1 company operating. Oakland to Mountain View via San Jose and Saratoga. Covers Melrose, Elmhurst, San Leandro, Hayward, Niles, Centerville, Irvington, Warm Springs, Milpitas, San Jose, Saratoga, Cupertino, Sunnyvale, Mountain View, Alviso on return trip.

Route No. 61—Distance: 88 miles round trip. Schedule daily, 1 company operating. Oakland to San Jose via Niles. Covers Melrose, Elmhurst, San Leandro, Hayward, Niles, Centerville, Irvington, Warm Springs, Milpitas, San Jose.

Route No. 62—Distance: 36 miles round trip. Schedule daily, 1 company operating. San Francisco to Pt. Richmond via Oakland. Covers Oakland, Berkeley, Albany, El Cerrito, Stege, Richmond, Pt. Richmond.

Route No. 86—Distance: 104 miles round trip. Schedule 3-4 trips weekly, 1 company operating. San Francisco to Santa Rosa via Sausalito. Covers Sausalito, Corte Madera, Larkspur, Kentfield, Ross, San Rafael, Ignacio, Novato, Petaluma, Penngrrove, Santa Rosa.

Besides these there are 69 trucking companies in San Francisco that will go anywhere any time, and 114 trucking companies in Oakland, Berkeley and Richmond prepared to do the same thing.

Attention It will pay you to send us at once the information called for below.

Shippers, manufacturers, merchants and farmers are invited to get in touch with our Ship by Truck Bureau for information regarding motor express routes and lines covering their requirement. Let us know what you have to ship, in what volume, with what frequency, to what destination, etc.

Motor Express Operators: Send to our "Ship by Truck Bureau" all information of interest to shippers, such as the route or routes you cover, tonnage capacity of trucks, schedule under which you operate, rates, etc.

Ride by Stage.

California has taken the lead in developing a network of efficiently operated automobile stage lines, connecting populous centers and tapping heretofore inaccessible districts for the general good.

"Ride by Stage" should be the watchword of present day travelers who wish not only to enjoy the scenic beauties of this State, but to reach their destinations quickly and economically.

When you next have occasion to travel, find out if a stage will take you there—"Ride by Stage."

The above shows not only organized activity among truck companies, but also the formidable impetus given this movement by the truck and tire manufacturers, and behind all this is the ability of our friend and brother—the mechanical engineer—to meet the problems of the day and solve them, while the highway engineer with his four inches of concrete road is sending up a wail to high heaven that his four inches is not as thick as he thought they were, and that naughty trucks should not be allowed to hurt his nice concrete roads.

ADVANCE NEWS

Official Proposals, Etc.

BUILDING.

APARTMENT HOUSES

(Correction in Cost.)

Segregated Figures Being Taken.
APARTMENT HOUSE Cost, \$100,000
SAN FRANCISCO. SE Ellis and Polk Streets.

Six-story Class "C" reinforced concrete apartment house, 35 2-room apts. Owner—Thos. and Philip Bannan.
Architect—C. O. Clausen, Hearst Bldg., San Francisco.

Plans Complete.
APARTMENTS Cost, \$110,000
SAN FRANCISCO. Sutter Street near Taylor Street.

Five-story reinforced concrete apartment house (76 rooms; 2 and 3-room apts.)
Owner—Mrs. McMillan.
Architects—Rousseau & Rousseau, 110 Sutter St., San Francisco.

BANKS

Plans to be Prepared.
ADDITIONS Cost, \$40,000
REDDING, Shasta Co., Cal.
Bank additions and alterations.
Owner—Northern California National Bank, Redding, Cal.
Architect—Not Yet Selected.

Contract Awarded.
BANK, ETC. Cost, \$—
TRACY, San Joaquin Co., Cal. Site of old Buschke Building.
One and two-story bank and (2) stores, 125x65.
Owner—Bank of Tracy.
Architect—W. H. Weeks, 75 Post St., San Francisco.
Contractor—D. R. Wagner, 110 Jessie St., San Francisco.

Contract Awarded.
BANK Cost, \$65,000
SANTA BARBARA, Cal.
One-story brick bank, 71x100.
Owner—Santa Barbara County National Bank.
Architect—Myron Hunt, 1017 Hibernian Bldg., Los Angeles.
Contractor—Parker Brick Co., Santa Barbara, Cal.

The contract does not include interior finish, bank fixtures, marble and tile work, vault doors, plumbing, heating, painting. The total cost will be about \$100,000.

Working Drawings Being Prepared.
ADDITION Cost, \$—
SAN FRANCISCO. NE O'Farrell and Grant Avenue.

Three-story Class "A" addition to bank building.
Owner—Union Trust Co., Premises.
Architect—Frederick H. Meyer, Bankers' Invest. Bldg., San Francisco.

Contract Awarded.
BANK Cost, \$38,000
SANGER, Fresno Co., Cal.
One-story terra cotta bank, 45x76.

Owner—First National Bank of Sanger.
Architect—Eugene Mathewson, Cory Bldg., Fresno, Cal.

Contractor—Anton Johnson, Kingsburg, Cal.
With fixtures the building will cost \$53,000.

CHURCHES

Contract Awarded. Sub-figures to be Taken.
MAUSOLEUM Cost, \$225,000
SAN MATEO CO., Cal. Holy Cross Cemetery.
Reinforced concrete and stone mausoleum.

Owner—Roman Catholic Archbishop of San Francisco.
Architect—Not Given.
Contractor—James L. McLaughlin, 244 Kearny St., San Francisco.

Plans are being completed. Mr. McLaughlin will take sub-figures in about two weeks.

Plans Being Prepared.
CHURCH Cost, \$25,000
FOREST GROVE, Oregon.
Brick church (seating capacity 800).
Owner—Congregational Church of Forest Grove.
Architect—E. E. McClaren, Lumber Exchange Bldg., Portland.

Plans Being Figured.
CHURCH Cost, \$25,000
PORTLAND, Ore. East 15th and Nehalem Streets.
One-story brick and concrete church.
Owner—Agatha Catholic Church.
Architect—Ernest Kroner, Worcester Bldg., Portland, Ore.

COURTHOUSES

MARTINEZ, Contra Costa Co., Cal.—Bids will be received by County Clerk J. H. Wells up to October 6th, 11 A. M., for the furnishing of materials and placing a new felt, asphaltum and gravel roof on the Court House. Specifications may be had from the County Clerk at Martinez.

MARTINEZ, Contra Costa Co., Cal.—Bids will be received by County Clerk J. H. Wells up to October 6th, 11 A. M., for furnishing materials and painting all the exterior galvanized iron and wood work on the Court House.

FACTORIES & WAREHOUSES

Contract Awarded.
WAREHOUSE Cost, \$18,000
PORTLAND, Ore. Fifth and Flanders Streets.
One-story brick and tile warehouse, 100x100.
Owner—B. Wright.
Architect—John V. Bennes, Chamber of Commerce Bldg., Portland.
Contractor—Oscar Wayman, Builders' Exchange, Portland.

Contract Awarded.
WAREHOUSE Cost, \$—
SAN FRANCISCO. SW Battery and Green Streets.
Remodel three-story and basement Class "C" warehouse.
Owner—Cioca Lombardi Wine Co.
Architect—John H. Powers, 460 Montgomery St., San Francisco.
Contractor—John Biller, 460 Montgomery St., San Francisco.

McCLOUD, Siskiyou Co., Cal.—The construction of a saw mill and other improvements are planned by the McCLOUD River Lumber Company. It is planned to spend about \$500,000 in improvements on the present quarters of the plant.

Officials of the company have announced mill No. 2, the older of the two sawmills in operation, will be dismantled at the end of the present season and a three-band mill built north of sawmill No. 1. The new mill will be run by electricity instead of steam, now used for power by the company.

Another important change planned by the company is the building of a brick burner to take the place of the pen pits in which the refuse from the two sawmills is burned. The burner will be fifty feet in diameter and 150 feet high.

The construction program calls for 785,000 common brick, 150,000 fire brick, 1650 barrels of cement, 800 barrels of lime, and nearly 1,000,000 feet of lumber.

Both sawmills will use the pond at sawmill No. 1, which will be enlarged from a capacity of 2,750,000 feet to over 4,000,000 feet.

Next year with the operation of the new mill and sawmill No. 1 the output of the company will be about 40,000 feet an hour instead of 30,000 feet an hour as at present.

Plans Being Prepared.
CREAMERY Cost, \$—
EL CENTRO, Imperial Co., Cal.
Two-story concrete creamery building, 90x150.
Owner—Imperial Valley Milk Producers Ass'n., J. H. Holland, Pres.
Architects—Mead & Regua, 614 "B" St., San Diego.

To be Done by Day's Work.
PACKING HOUSE Cost, \$—
SANTA PAULA, Ventura Co., Cal.
One-story reinforced concrete packing house, 100x80.
Owner—Mupu Citrus Association.
Architects—Allison & Allison, Hibernian Bldg., Los Angeles.

Site Purchased. Plans Being Prepared.
FACTORY Cost, \$200,000
SACRAMENTO, Cal. Twelfth Street Road. Site of 54 acres.
Auto and carriage factory.
Owner—Albert R. and E. A. Meister, 403 Ninth St., Sacramento.
Architect—Withheld until completion of plans.

LOS ANGELES, Cal.—The Pacific Sewer Pipe Co. will rebuild its plant at 306 West Avenue 26, which was destroyed by fire with a loss estimated by President E. M. Durant at \$150,000. The company has a site of 6½ acres and the new plant will be larger and better equipped than the one destroyed.

Plans Being Prepared.
PRINTING PLANT Cost, \$12,000
FRESNO, Fresno Co., Cal. "H" Street near San Joaquin.
One-story brick or concrete printing plant, 50x150.
Owner—James Porteous.
Lessee—Crown Printing Co.
Architect—Eugene Mathewson, Cory Bldg., Fresno, Cal.
trict No. 2.

FLATS

Plans Being Prepared.
FRAME FLATS Cost, \$—
SAN FRANCISCO, S Green Street W of Powell Street.
Two-story and basement frame (4) flats 2 4-room and 2 5-room flats.
Owner—Fred Marra.
Architect—C. Fantoni, 550 Montgomery St., San Francisco.

Contractor Awarded.
FLATS Cost, \$63,000
LOS ANGELES, Cal. Western Ave., bet. 4th and 5th Streets.
Three frame and plaster flat buildings (4 6-room flats each).
Owner—Jessie D'Arche.
Architect—L. A. Smith, 621 Investment Bldg., Los Angeles.
Contractor—Lilly-Fletcher Co., 621 Investment Bldg., Los Angeles.

GARAGES

Contract Awarded.
AUTO SALESROOMS Cost, \$—
PORTLAND, Ore. Broadway and Everett Streets.
Four-story reinforced concrete auto salesrooms, 100x120.
Owner—Lewis & Staver Co.
Architects—Houghtaling & Dougan, Henry Bldg., Portland, Ore.
Contractor—George Isackson, 1013 East Irving St., Portland.

Plans Prepared.
GARAGE Cost, \$60,000
BAKERSFIELD, Kern Co., Cal. Chestnut Avenue.
Fireproof garage and salesrooms.
Owner—Geo. Elliott (Cadillac Agent), Bakersfield, Cal.
Architect—Thos. B. Wiseman, Morgan Bldg., Bakersfield.

Contract Awarded.
ADDITION Cost, \$5700
SAN FRANCISCO, E Valencia 137 S McCoppin. No. 125 Valencia St.
All work except concrete work for a one-story and mazzanine Class "C" addition to garage.
Owner—Mellanie Langley and Millie L. Wright.
Architect—Arthur S. Bugbee, 316 Sharon Bldg., San Francisco.
Contractor—L. A. Hinson, 2000 Polk St., San Francisco.
Concrete work awarded to Adam Arras, 65 Hoff Ave.

Contract Awarded.
GARAGE Cost, \$25,000
SAN FRANCISCO, SE Vallejo and Cameron Streets.
Two-story reinforced concrete garage.
Owner—N. Cappurro and A. Podesta.
Architect—Louis Mastrospasqua, 530 Washington St., San Francisco.
Contractor—Del Favero & Rossori, 110 Jessie St., San Francisco.

Plans Being Prepared.
GARAGE Cost, \$—
LOS ANOS, Mercede Co., Cal.
One-story reinforced concrete garage, 150x50, with two-story annex, 30x50, for offices and apartment of 9 rooms.
Owner—Withheld.
Architect—C. Fantoni, 550 Montgomery St., San Francisco.

Plans Being Prepared. Contract Awarded.
GARAGE Cost, \$35,000
MODESTO, Stanislaus Co., Cal. SW Corner 11th and "H" Streets
One-story brick and concrete garage (plaster exterior) 17,000 sq. ft. of floor space.
Owner—T. J. Wisecarver.
Lessee—Geo. Warren, Modesto, Cal.
Architect and Contractor—George J. Ulrich, Modesto, Cal.

GOVERNMENT WORK AND SUPPLIES

PANAMA CIRCULAR 1306—Office of the General Purchasing Officer, Panama Canal, Washington, D. C.—Sealed bids are wanted until October 4, 1919, circular 1306, for furnishing incintrator plant, telephone exchange, metal furniture, panel boards, outlet boxes, cable, condulets, storage batteries, steel bars, monotype metal, manganese bronze springs and splice plates, bronze bolts, screws, valves, wrenches, files, turnbuckles, mitre boxes, drills, hacksaw blades, hatches, chain, brushes, blankets, pneumatic tires, lamp chimneys, office pins, manila tags, blank books, paper, millboard and colored cotton waste. For information address the above office.

TURNOUT GATES—Department of the Interior, United States Reclamation Service, Denver, Colo., September 6, 1919.—Sealed proposals will be received at the office of the United States Reclamation Service, Denver, Colo., until 2 o'clock P. M., September 27, 1919, and will at that hour be opened, for furnishing turnout gates, specifications No. 201-D, for the North Platte project, Nebraska-Wyoming, and the Flathead project, Montana. The material to be furnished will require about 4,000 pounds of metal work. For particulars address the United States Reclamation Service, Denver, Colo. F. E. WEYMOUTH, Chief of Construction.

LOS ANGELES, Cal.—Until 11 A. M., September 29, bids will be received at the U. S. Engineer's Office, 725 Central Bldg., for 125 sections of 20-in. welded steel pipe, each 16 ft. in length, with slip joints, in accordance with specifications which may be had on application. Alternate bids will be taken on riveted steel pipe. Col. Frederick B. Downing, District Engineer.

SAN DIEGO, Cal.—The naval hospital to be erected in Balboa Park will comprise 12 to 15 buildings of Spanish renaissance architecture. Architect—Bertram Goodhue of New York, is preparing the architectural plans and Com. Frederick W. Southworth of the bureau of yards and docks, Washington, the structural plans and specifications. The administration building will have a tower 120 feet high. There will be four ward buildings, each with accommodations for 300 patients, officers' quarters, nurses' quarters, surgery laboratory, power house, laundry, garage and commanding officer's residence. The buildings will have reinforced concrete frames, hollow tile filler walls, stucco exteriors and tile roofing. The cost of the buildings is tentatively placed at \$2,000,000.

WASHINGTON, D. C.—The following projects are contemplated by the Bureau of Yards and Docks, Navy Department:
Specification 4018, Mare Island, installation of 4,000-K. W. turbo generator.
Specification 4024, Puget Sound, extension to engine room A.
Specification 4033, San Diego, completion of steel fuel-oil tank.

WASHINGTON, D. C.—Bids opened in the office of the Supervising Architect, Treasury Department, Washington, D. C., for the construction of the Winnemucca, Nevada, Post Office Building, show Frank Gallagher, 30 Lloyd Street, San Francisco, low bidder on both propositions. The following bids were received:
No. 1 Wood Girders; No. 2, Steel Girders.

Eugene Schuler Huron, South Dakota, (1) \$54,915; (2) \$56,915.
A. Motschman, Chicago, Ill. (1) \$44,330; (2) no bid.
W. D. Lovell, Minneapolis (1) \$45,576; (2) \$46,400.
Frank Gallagher, San Francisco (1) \$40,850; (2) \$41,280.
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HALL AND SOCIETY BUILDINGS.

Plans Being Prepared.
TEMPLE BUILDING Cost, \$60,000
FULLERTON, Orange Co., Cal.
Two-story brick temple building.
Owner—Fullerton Masonic Temple Association.
Architect—Frank K. Benchley, Fullerton.

PORTLAND, Ore.—The following architects, all of Portland, have been asked by the Knights of Columbus to submit competitive plans for the proposed \$100,000 lodge hall which they plan to erect in the immediate future: Jos. Jacobberger.
Houghtaling & Dougan.
Whitehouse & Foulhoux.
A four-story mill constructed and brick building, 50x100, is planned.

HOSPITALS

SAN FRANCISCO HOSPITAL CONTRACT AWARDED
SAN FRANCISCO.—The Board of Public Works has awarded a contract to O. Monson, 110 Jessie St., San Francisco, for the completion of the northeast and southeast wings of the San

Francisco Hospital and requested the Supervisors to appropriate \$38,945 to cover the cost of the work.

BAKERSFIELD, Kern Co., Cal.—Until October 8, bids will be received for constructing a sleeping unit at the Keene tubercular hospital.

Contract Awarded.
ALTERATIONS Cost, \$52,000
SAN LEANDRO, Alameda Co., Cal.
County Hospital Grounds.
Extensive alterations to two-story frame hospital.
Owner—Alameda County.
Architect—H. H. Meyer, Kohl Bldg., San Francisco.
Contractor—W. M. Maurice, 505 E-22d St., Oakland.

HOTELS

Plans to be Prepared.
HOTEL BUILDING Cost, \$1,000,000
SACRAMENTO, Cal. "L" Street bet. 8th and 9th Streets.
Fireproof hotel building.
Owner—Eastern Capitalists.
Architect—Not Yet Selected.
Chas. J. Chittenden, 2231 "I" St., Sacramento, who promoted the new Weinstein, Lubin & Company department store site on Eleventh and "J" streets, has the option on the "L" street property with instructions from the owners, the Weinstein, Lubin & Company, to close the deal.
It is planned to erect a building on the style of the Hotel Whitcomb in San Francisco.

PUBLIC BUILDINGS

SAN MATEO, San Mateo Co., Cal.—The City Trustees will receive bids up to October 6th, for painting the City Hall building. Specifications may be had from the City Clerk.

SACRAMENTO, Cal.—Chas. Vanina, 2622 M St., Sacramento, submitted the lowest bid to the State Architect's office for the alterations to be made on the ground floor of the Prommer Building at the southwest corner of Eleventh and K streets, for use of the State Department of Agriculture. His

WOODLAND, Yolo Co., Cal.—The City Trustees have decided to remodel the present City Hall building, which was erected about fifty years ago. It is planned to modernize the old brick structure and equip it to accommodate all the city offices, including the fire department and city jail.

SAN ANDREAS, Calaveras Co., Cal.—Bids will be received by County Clerk A. W. Poe up to October 6th, 1:15 P. M., for the construction of a Laundry Building complete. Said building to be a wooden frame with galvanized corrugated iron roof and sides, and to be built on a concrete foundation which will be built by the county.

RESIDENCES.

Plans Being Figured.
COTTAGE Cost, \$—
SAN FRANCISCO. Revere Ave. near Railroad Ave.
One-story 4-room frame cottage.
Owner—Withheld.

Architect—C. Fantoni, 550 Montgomery St., San Francisco.

Bids Opened For Residence.
BERKELEY, Alameda Co., Cal. Los Angeles St., Northbrae.
Two-story and basement frame residence (11 rooms and 2 bathrooms and garage).
Owner—R. Donley.
Architect—James W. Plachek, 2014 Shattuck Ave., Berkeley.
Connor & Connor.....\$20,475
C. Texdahl.....20,615
L. W. Eutton.....21,100
C. H. Warren.....21,450
C. Kidder.....22,449
The contract will be awarded to Connor & Connor, 2105 Berkeley Way, Berkeley.

SAN FRANCISCO.—John H. Powers has awarded the following contracts in connection with construction of a two-story and basement frame residence to be erected on N Vallejo St. bet. Baker and Lyon streets for which Geo. W. Boston & Son are the general contractors. O. M. Hueter is the owner.

Mill work to Herring Mill, Inc.
Hardwood Floors to Inlaid Floor Co.
Painting to Harry Draper.
Hanging to Scott Company.
Wiring to Decker Electrical Co.
Tile to Rigney Tile Co.
Marble, Joseph Musto Sons-Keenan Company.
Roofing to Mallott & Peterson.
Plastering to MacGruer & Simpson.

Contract Awarded.
RESIDENCES Cost, \$—
EMERALD LAKE, San Mateo Co., Cal.
Several one-story frame and plaster residences (2 will be started immediately).
Owner—Holt Realty Co.
Architect—Owners.
Contractor—W. C. Duncan & Co., Sharon Bldg., San Francisco.

Contract Awarded.
RESIDENCES Cost, \$5,000 to \$12,000 each.
SAN FRANCISCO. Ingleside Terrace.
About 30 one and two-story frame residences.
Owner—Urban Realty Co.
Architect—Owner.
Contractor—W. C. Duncan & Co., Sharon Bldg., San Francisco.
Sub-figures will be taken by the contractors at the office in Ingleside Terrace.

Plans Being Figured.
SOCIAL HALL, ETC. Cost, \$15,000
SAN FRANCISCO. 25th Street and San Jose Avenue.
One-story frame social hall, garage, chicken house, kennels and caretaker's apartments.
Owner—Mayor James Rolph Jr.
Architect—John Reid Jr., 1st National Bank Bldg., San Francisco.
Figures are being taken for a general contract.

Ready for Figures Wednesday.
RESIDENCE Cost, \$5,700
BERKELEY, Alameda Co., Cal. Monterey Ave. and The Alameda.
One and one-half-story frame and plaster residence and garage.
Owner—J. H. Hall.
Architect—Jas. W. Plachek, 2014 Shattuck Ave., Berkeley.

Plans Being Figured.
RESIDENCES Cost, \$6,000 to \$9,000
SAN FRANCISCO. St. Francis Wood.
Three two-story frame residences (6 and 9 rooms each and a one-story 5-room bungalow).
Owner—Withheld.
Architect—Henry H. Gutterson, 278 Post St., San Francisco.

Ready for Figures Monday.
RESIDENCE Cost, \$12,000
OAKLAND, Alameda Co., Cal. Piedmont Highlands.
Two-story frame residence (12 rooms and 2 bathrooms).
Owner—Withheld.
Architect—C. W. McCall, Central Bk. Bldg., Oakland.

SPECIFICATIONS

Exterior Finish, cement plaster, Floors, hardwood; Heating, hot air; Interior Finish, hardwood; Roof, tile.

Preliminary Sketches Being Prepared
COTTAGES Cost, \$—
SAN FRANCISCO. Haight and Buchanan Streets.
Group of buildings for orphanage (cottage style).
Owner—Protestant Orphan Asylum.
Mrs. F. G. Sanborn, Pres.; Mrs. Eels, Vice Pres.
Architects—Bliss & Faville, Balboa Bldg., San Francisco.
Only preliminary plans have been prepared, the type of construction, etc., has not been decided. It is hoped to start construction before the end of this year.

To be Done by Days Work.
RESIDENCE Cost, \$—
WEST HOLLYWOOD, Los Angeles Co., Cal. Crescent Blvd. and Franklin Avenue.
Two-story hollow tile residence (7 rooms, 4 bathrooms, garage and living rooms, etc.)
Owner—F. L. Blodgett.
Architect—C. H. Russell, 1106 Story Bldg., Los Angeles.

Plans Nearing Completion.
FRAME DWELLING Cost, \$4,500
CHICO, Butte Co., Cal. Fifth and Cypress Streets.
Two-story and basement frame dwelling.
Owner—R. F. Urquhart, Chico, Cal.
Architect—Chester Cole, Westerlund-Breslau Bldg., Chico, Cal.

Contract Awarded.
RESIDENCE Cost, \$14,000
YUBA CITY, Sutter Co., Cal.
Two-story and basement frame and plaster residence.
Owner—Carl Schnabel, Newcastle.
Architect—Chester Cole, Westerlund-Breslau Bldg., Chico, Cal.
Contractor—McDaniel & Burroughs, Marysville, Cal.

FRESNO, Fresno Co., Cal.—The Alexander Land Co., 1115 "I" St., Fresno, will build ten or twelve houses in Kenmore Park at a cost of \$70,000 to \$80,000. Work will be started at once on an 8-room Colonial frame and a six-room frame Colonial house.

Owner Taking Figures.
RESIDENCE Cost, \$5,700
BERKELEY, Alameda Co., Cal. Monterey Ave. and The Alameda.

One and one-half-story frame and plaster residence and garage.
Owner—J. H. Hall.
Architect—Jas. W. Plachek, 2014 Shattuck Ave., Berkeley.

Segregated Figures Being Taken.
BUNGALOWS Cost, \$—
OAKLAND, Alameda Co., Cal. 65th and Whitney Streets.

Five one-story 5-room frame bungalows.
Owner—J. A. Sullivan.
Architect—W. H. Ratcliff Jr., 21 National Bank Bldg., Berkeley.

SCHOOLS

MODESTO, Stanislaus Co., Cal.—Bids will be received by Kathleen G. Prewett, Clerk of the Board of Trustees of the Modesto High School District up to October 3rd, 7:30 for the following (for the High School Building at "H" and Washington Sts.)

200 double tier louvre, 12x15x36, single face, steel lockers, more or less.
1. The sinking of a well to the depth of 150 feet, more or less.
2. Furnishing casing for said well.
3. Digging and installing a pit as follows:

Pit to be 30 feet deep, more or less. Opening 5 ft. by 6 ft. in clear, with 6 in. walls of solid reinforced concrete, proportions of mixture to be:

4 parts fine worked gravel.
1 part sharp clean sand.
1 part Portland cement. Forms to be shaped according to plans on file at the office of Superintendent of Schools.
1 strip of reinforcing iron to be put in every two feet.
4. Furnish and install one centrifugal pump and motor, direct connection, pump to be 4 inches with six inch suction pipe and six inch discharge pipe. Motor to be a ten horsepower motor. Pump to be equipped with:

40 feet six inch discharge pipe.
20 feet six inch suction pipe.

Plans Being Prepared.
SCHOOL Cost, \$—
SAN PABLO, Contra Costa Co., Cal. One-story temporary school (Manual Training Building).
Owner—San Pablo School District.
Architect—James T. Nabett, 910 Macdonald Ave., Richmond, Cal.

Plans Being Prepared.
SCHOOL Cost, \$50,000
ARCADIA, Los Angeles Co., Cal. Brick school (6 class rooms, auditorium, etc.).
Owner—Arcadia School District.
Architect—Norman Marsh, 211 Broadway Central Bldg., Los Angeles.

Preliminary Plans Approved.
SCHOOL Cost, \$—
SALINAS, Monterey Co., Cal. Fireproof high school buildings.
Owner—Salinas Union High School District.
Architect—Ralph Wyckoff, Watsonville, California.

Site Selected.
SCHOOL Cost, \$750,000
BERKELEY, Alameda Co., Cal. Eunnell property on Block bounded by Grove, Milvia, Bancroft and Channing Way.

Fireproof high school.
Owner—City of Berkeley.
Architect—W. C. Hays, 1st National Bank Bldg., Berkeley.

Only preliminary sketches have been prepared. It will be about three months before construction is started

CALEXICO, Imperial Co., Cal.—W. F. Riley of San Diego, was awarded the contract at \$30,105 for the general work and the contract at \$4980 for the plastering on the new elementary grammar school building at Calexico. Weed & Dickenson of Calexico, were awarded the contract for hardware at \$803, and for sheet metal work at \$1875; Lucien Copes of Calexico, the plumbing at \$1150; C. M. Higgins of Calexico, the painting at \$2352, and Strawn Electric Co. of Calexico, the wiring at \$433.51. The building will be one-story and will contain nine rooms. It will be frame and plaster construction. Zimmer & Roberts of El Centro, Architects.

EUREKA, Humboldt Co., Cal.—The Board of Education has authorized the Superintendent of Schools to have plans and specifications prepared for removing the unsanitary conditions at the Lafayette School.

Bids to be Called Shortly.
SCHOOL Cost, \$30,000
MONITOR, Washington. One-story high school building, 160 by 120 (6 class rooms, auditorium, manual training and domestic science rooms, etc.).

Owner—Monitor School District.
Architects—Stephen & Stephen, New York Block, Seattle, Wash.

Preliminary Plans Approved.
SCHOOL Cost, \$—
ANTIOCH, Contra Costa Co., Cal. Grammar school building.
Owner—Town of Antioch.
Architect—W. H. Weeks, 75 Post St., San Francisco.

MADERA, Madera Co., Cal.—Bids will be received by the Trustees of the Knowles School District up to September 27th, 3 P. M., for the erection of a new school building. Plans may be seen at the office of the Superintendent of Schools, Courthouse Building, Madera.

Trustees of the District are: F. W. Krohn, Wm. Gorman and Pietro Zanetti.

MERCED, Merced Co., Cal.—The Board of Trustees of the Merced Union High School District have accepted the bid of R. Barcroft & Sons Co., 525 17th St., Merced, at \$3,000 for furnishing and installing the hardware in the new Merced High School, they offering to install Corbin hardware. The Murray-Vincent Co. submitted a bid \$14 lower than the Barcroft bid, but the Trustees decided the Corbin goods were of a better grade than those offered under the low bid.

SCHOOL BUILDING BIDS WANTED
FRESNO, Fresno Co., Cal.—Bids will be received by Architects Glass & Butner, Cory Bldg., Fresno, up to October 1st, 2 P. M., for the construction and completion of a two-room school building including library and toilets, for the Reseda School District.

Plans may be had from the Architects at Fresno.

Trustees of the District are: George Myers, J. H. Williams and P. J. Wash.

Plans Being Figured. Bids Close Oct. 7, 1919, 5 P. M.

ADDITION Cost, \$—
ALAMEDA, Alameda Co., Cal. Washington School.

Addition to two-story brick school (finish community rooms, etc.)

Owner—City of Alameda.
Architect—H. H. Meyers, Kohl Bldg., San Francisco.

Bids will be taken for all work, except plumbing, which will be taken separately.

Plans may be obtained from the Board of Education, Alameda City Hall, on a deposit of \$10.

CRANMORE, Sutter Co., Cal.—H. L. More, Woodland, has been awarded a contract by the Trustees of the Salem School District for painting the present Salem School on his bid of \$275. No bids were received by the Trustees for the carpentry repairs to be made on the building.

RED BLUFF, Tehama Co., Cal.—September 25th is the date set to vote on the question of consolidating the following districts in order to form a union high school district. Gleason, Schultz and Headquarters. On formation of the district a bond issue will be called to secure funds with which to finance construction of a new high school.

OAKLAND, Cal.—October 21st is the date set to vote bonds for the erection of new school buildings and for making improvements to the present structures. L. W. Cummings is City Clerk.

Plans Being Figured. Bids Close Oct. 11, 1919, 1 P. M.

SCHOOL Cost, \$75,000
DURBANK, Los Angeles Co., Cal. One-story brick or hollow tile school.
Owner—Durban School District.
Architects—Allison & Allison, 1405 Hi-bernian Bldg., Los Angeles.

The work will be done on the segregated contract basis, bids being taken separately for the following branches of the work: (1) excavating, concrete, carpentry and iron work; (2) masonry work; (3) sheet metal work; (4) tile roofing; (5) composition roofing; (6) plastering; (7) blackboards; (8) painting; (9) electric work; (10) plumbing; (11) hardware; (12) heating and ventilating. J. D. Radcliff is the clerk of the board.

LOS MOLINAS, Tehama Co., Cal.—The formation of the Los Molinas High School District is planned in the immediate future. It is intended to take in the Cone, Oak Park, Tehama, Los Molinas, Gerber and Vina districts. After formation a bond issue will be called to vote funds for the erection of a high school pannel under the new district.

FRESNO, Fresno Co., Cal.—The Supervisors have sold \$400,000 worth of bonds of the \$2,000,000 bond issue for financing the construction of schools

and altering and adding to the present buildings.

RED BLUFF, Tehama Co., Cal.—Bids received by the Supervisors for the sale of the \$46,000 bond issue of the Corning School District, which will finance construction of a new school building, have been rejected and new bids have been ordered received.

FRESNO, Fresno Co., Cal.—Bids for the purchase of the \$100,000 bond issue of the Clovis School District will be received by the County Supervisors up to October 7th, 2 P. M. Proceeds of the sale will finance construction of a new school. W. H. Weeks, 75 Post St., San Francisco, is the architect.

HANFORD, Kings Co., Cal.—Bids will be received at the office of the County Superintendent of Schools, Hanford, up to October 4th, 8 P. M., for furnishing and installing an air pressure water system in the Grangeville school building.

Further information may be had from E. E. Groat, Secretary at Hanford.

STORES AND OFFICES

Plans Being Prepared.

STORE BLDG. Cost, \$—
LOS BANOS, Merced Co., Cal.
One-story reinforced concrete store building (shoe store). Frame to be strong enough for an additional story.

Owner—Withheld.

Architect—C. Fantoni, 550 Montgomery St., San Francisco.

Plans Being Prepared.

STORE BLDG. Cost, \$—
LOS BANOS, Merced Co., Cal.
One-story reinforced concrete store building, 25x75 3 stores; (candy store, restaurant, etc.). Frame to be strong enough for an additional story.

Owner—Withheld.

Architect—C. Fantoni, 550 Montgomery St., San Francisco.

Plans Being Prepared. Ready for Figures Next Week.

STORE BLDG. Cost, \$10,000
SAN FRANCISCO. N line Post Street bet. Hyde and Leavenworth Sts. One-story brick store building, 40x80 (3 stores).

Owner—Withheld.

Architect—M. I. Schwartz, Nevada National Bank Bldg., San Francisco

Segregated Figures Being Taken.

STORES, ETC. Cost, \$30,000.
SAN FRANCISCO. N Bush W Taylor One-story brick "C" building, 82x6 137-6 (5 stores and machine shop).

Owner—Nettie Aronson.

Architect—M. I. Schwartz, Nevada National Bank Bldg., San Francisco.

Eureka Teaming & Grading Co. to be awarded grading contract.

(29918) 1st report Sept. 4, 1919.

Revised Plans Being Prepared.

GARAGE Cost, \$—
LOS ANGELES. SE 11th and Flower Streets.

Three-story Class "A" reinforced concrete garage and auto sales building, 150x155.

Owner—Mrs. S. H. Van Nuys.

Architects—Morgan Walls & Morgan, 1124 Van Nuys Bldg., Los Angeles.

Plans Being Prepared.

STORE, ETC. Cost, \$18,000
SAN FRANCISCO. S Post E of Larkin. One-story and basement Class "C" Store and machine shop building. Owner—Edward Hohfeld.

Architect—Edward T. Foulkes, Crocker Bldg., San Francisco.

Plans Being Prepared.

STORE BLDG. Cost, \$30,000
SAN FRANCISCO. S Bush St., bet. Stockton and Powell Streets. One-story reinforced concrete store building.

Owner—Withheld.

Architect—Edward T. Foulkes, Crocker Bldg., San Francisco.

Plans Being Completed.

STORE, ETC. Cost, \$60,000
SEATTLE, Wash. NE 6th Avenue and Pine Street.

Two-story fireproof store and loft building, 120x108.

Owner—J. T. Heffernan, 108 Railroad Ave., So., Seattle, Wash.

Architect—John Graham, Green Bldg., Seattle, Wash.

Plans Being Prepared.

ADDITION Cost, \$2,500,000
OLYMPIA, Wash. State Capitol Grounds.

Additional structure for State Capitol group (Legislative Bldg.)

Owner—State of Washington.

Architects—Wilder & White, New York City, N. Y.

Foundation for the building costing \$100,000 already in place.

Preliminary Sketches Prepared.

STORE & LOFTS Cost, \$—
SAN FRANCISCO. California Street near Front Street.

Two-story and basement fireproof store and loft building.

Owner—Walter Sullivan, 129 Sutter St., San Francisco.

Architect—Leo J. Devlin, Pacific Bldg., San Francisco.

Plans Being Prepared

DECORATING Cost, \$—
SAN FRANCISCO. No. 168 O'Farrell. Interior decorating for cafe.

Owner—John Tait, Premises.

Architects—Ward & Blohme, Alaska Commercial Bldg., San Francisco.

Plans Being Prepared.

REMODELING STORES Cost, \$15,000
TULARE, Tulare Co., Cal.
Remodeling two stores (50x150).

Owner—M. G. Cottle, Tulare, Cal.

Architect—J. R. Henderson, Tulare.

Plans Being Prepared.

MERCANTILE BLDG. Cost, \$300,000
LOS ANGELES, Cal. NE Sixth and Broadway.

Five-story and basement Class "A" mercantile building, 77x119.

Owner—F. B. Silverwood.

Architects—Walker & Eisen, 1403 Hibernian Bldg., Los Angeles.

The contract for furnishing and erecting the structural steel has been awarded to the Llewellyn Iron Works

Plans Being Prepared. Contract Awarded.

STORES AND LOFTS Cost, \$—
LOS ANGELES, Cal. SW Third and Main Streets.

Six two-story Class "C" store and loft buildings, 88x80 and 100,

Owner—Mrs. Cameron E. Thom.

Architects—Walker & Eisen, Hibernian Bldg., Los Angeles.

Contractor—Lepper & Laisy, 501 O. T. Johnson Bldg., Los Angeles.

Steel Contract Awarded.

STORE AND OFFICE BLDG. Cost, \$—

LOS ANGELES, Cal. NE Sixth and Grand Avenue.

Steel for 12-story Class "A" store and office building.

Owner—Pacific Mutual Life Insurance Company.

Architects—W. J. Dodd and Wm. Richards, Brack-Shops Bldg., Los Angeles.

Contractor—Llewellyn Iron Works, Los Angeles.

Plans Being Prepared.

STORE & LOFT BUILDING Cost, \$100,000.

SAN FRANCISCO. S Sutter St., bet. Mason and Powell Streets.

Two-story and basement reinforced concrete store and loft building, 60x137-6.

Owner—Withheld.

Lessee—A Wholesale Furniture Co. of San Francisco.

Architects—Rousseau & Rousseau, 110 Sutter St., San Francisco.

THEATRES

Plans Prepared.

AMPHITHEATRE Cost, \$—
VERNON, Los Angeles Co., Cal.

Steel, concrete and frame amphitheatre, 200x200.

Owner—Jack Doyle.

Architect—Richard D. King, 519 Van Nuys Bldg., Los Angeles.

Contract Awarded.

THEATRE Cost, \$20,000
MONROVIA, Los Angeles Co., Cal.

Myrtle Ave. near Palm St. Two-story brick and hollow tile motion picture theatre, 53x124.

Owner—F. H. Noyes.

Architect—Frank O. Eager, American National Bank Bldg., Monrovia.


Contractor—J. P. Daniels, Pasadena.

Engineering.

NAPA, Napa Co., Cal.—The Supervisors have rejected the bid of Simon Lenz, St. Helena, for the construction of a bridge across Nigger Creek in Road District No. 4. James A. Daly is County Clerk.

NAPA, Napa Co., Cal.—The Supervisors, James A. Daly, County Clerk, has instructed the County Engineer to prepare plans and specifications for repair work on the concrete ford across Putah Creek near the Johnston Ranch, and a reinforced concrete culvert on the road in American Canyon near the Denio Ranch.

BAKERSFIELD, Kern Co., Cal.—Until 10 A. M. October 7, bids will be received by the Supervisors of Kern County for removing the present bridge over the Outlet canal on Bakersfield-Taft highway, constructing a new bridge on the site and repairing the Inlet bridge. F. F. Smith, Clerk.



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Fittings and valves for every purpose; special fittings made to order. Tell us today what your requirements are; let us save you money.

PACIFIC PIPE CO.,
231 Howard St. San Francisco

BRIDGES, DAMS & HARBOR WORK

MODESTO, Stanislaus Co., Cal.—Bids will be received by H. Benson, County Clerk, up to October 6th, 2 P. M., for the construction of seven reinforced concrete bridges in Road District No. 1, located as follows.

Bridge on Eugene-Knights Ferry Road about ½ mile southeast of Eugene.

Bridge on Eugene-Knights Ferry Road about 1.1 miles southeast of Eugene.

Bridge over M. I. D. Main Canal on Paulsell Road about ¼ mile north of Waterford.

Bridge over a branch of Dry Creek on Waterford-Paulsell Road about 5 miles north of Waterford.

Bridge over a branch of Dry Creek about 2 miles west of Wernerville.

Bridge over a branch of Dry Creek about 1 mile west of Wernerville.

Bridge on Waterford-La Grange Road at the foot of Raiden Hill about 5½ miles east of Roberts Ferry.

Also bids for construction of six reinforced concrete bridges in Road District No. 2, located as follows:

Bridge over Peaslee Creek on Hickman-La Grange Road, near Lafayette School.

Bridge over T. I. D. Lateral No. 3, about ½ mile east of State Highway.

Bridge over T. I. D. Lateral No. 4, ½ mile north of Washington School.

Bridge over T. I. D. Lateral No. 5, 2 miles west and 2 miles south of Turlock.

Bridge over T. I. D. Lateral No. 5, 1 mile west and 2 miles south of Turlock.

Bridge over Turlock Main Canal on East Turlock Road about 2½ miles from Turlock.

Also bids for the construction of four reinforced concrete bridges in Road Districts No. 3 and No. 4, located as follows:

Bridge over M. I. D. Lateral No. 4, on Maze Avenue, Road District No. 3.

Bridge over M. I. D. Lateral No. 3, on the Carver Road, Road District No. 3.

Bridge over M. I. D. Lateral No. 4 on Virginia Avenue at Modesto City limits, Road District No. 4.

Bridge on Church Road ¼ mile north of Highway at Emprie, Road District No. 4.

Also bids for the construction of four reinforced concrete bridges in Road District No. 5, located as follows:

Sycamore Ave. Bridge over El Salado Creek, Patterson.

Sycamore Ave. Bridge over Patterson Main Canal.

Bridge over El Salado Creek about 1 mile west of Patterson.

Bridge over a dry slough on the Newman-Hills Ferry Road about 3½ miles from Newman.

SAN JOSE, Santa Clara Co., Cal.—County Clerk Henry A. Pfister will receive bids up to October 30th, 11 A. M., for the construction of a reinforced concrete bridge on the Pierce road over Calabases Creek in Supervisor District No. 5.

LOS ANGELES, Cal.—Until 2 P. M., October 6, bids will be received by the County Supervisors for constructing two reinforced concrete bridges on Brand Blvd. over the Verdugo wash. Certified check for 10% required with each bid. A. M. McPherron, Clerk. The bridges will each be 24 ft. wide and 90 ft. long, girder type, consisting of three spans with concrete piers and abutments. They will carry the roadway on either side of the Pacific Electric right-of-way on which the railroad company has also agreed to build a concrete bridge. The plans were prepared in the county road department. The bridges are being built in connection with the county flood control work. There is \$20,000 available.

BLITHE, Riverside Co., Cal.—The following bids were received on Sept. 6 for constructing with dragline dredger equipment or Fresno teams, or both, 6½ miles of new levee and raising and strengthening 3½ miles of existing levee along the Colorado River for the Palo Verde Joint Levee District, J. C. Allison, Calexico, Chief Engineer and general manager.

Item I (Raising 3½ miles of levee)—Hewitt & Felch of Riverside, 38c cu. yd. (change in borrow pits specified); Walter K. Bowker, 60c cu. yd.; Leroy Little of Calexico, 50c cu. yd. (wet material accepted); F. M. Sebathe, 51c cu. yd.

Item II (Raising 5½ miles of levee)—Palo Verde Mutual Water Co., Blythe, 20c cu. yd.

Item III (2½ miles new levee)—P. B. Engh, 341 P. E. Bldg., Los Angeles, 20c cu. yd.

Item IV (4 miles new levee)—P. B. Engh of Los Angeles, 20c cu. yd. (for core levee only).

The bids are being analyzed preparatory to the decision of the board of directors at their meeting on September 20.

EUREKA, Humboldt Co., Cal.—The County Supervisors have directed County Clerk Fred M. Kay to call bids for the construction of the proposed

bridge over the Mattole river at Honeydew on the Dyererville-Mattole road. The structure will be of steel construction and according to the estimate of County Engineer A. J. Logan will cost about \$40,000.

SANTA BARBARA, Cal.—Until 10 a. m., Oct. 6, bids will be received by the Supervisors of Santa Barbara County for constructing a stone arch bridge over Rattlesnake Creek in Rattlesnake Canyon, Sixth Road District. Plans may be obtained from County Surveyor Owen H. O'Neil on deposit of \$10. Certified check for 10% required. C. A. Hunt, Clerk. The estimated cost of the bridge is \$5500.

MERCED, Merced Co., Cal.—Bids will be received by P. J. Thornton, County Clerk, up to October 7th, 10 A. M., for the construction of two reinforced concrete bridges as follows: Bridge No. 71 on Mariposa Island Road in Road District No. 2 and over East Side Canal.

Bridge No. 72 over Mariposa creek on Le Grand and Cathey Valley Road in Road District No. 2.

RICHMOND, Contra Costa Co., Cal.—The City Attorney has been instructed to prepare the necessary papers for a \$400,000 bond issue to decide the question of issuing bonds to finance municipal harbor improvements.

OAKDALE, Stanislaus Co., Cal.—H. J. Jackson, President of the Sierra & San Francisco Power Company, has written a letter to the Oakdale and South San Joaquin Irrigation Districts agreeing to consider the proposal for construction of a \$3,000,000 reservoir, for which the districts would furnish the bonds, and the power company would pay them off. The proposed reservoir is to be at Donnell's Flat.

SANTA PAULA, Ventura Co., Cal.—Wm. Ledbetter & Co., Pacific Electric Bldg., Los Angeles, was awarded the contract at \$49,500 for constructing a timber bridge across the Santa Clara river at Santa Paula. The bridge is being built by subscriptions by citizens. The structure will consist of ten Howe trusses, each 92-ft. span, with wood floor and reinforced concrete piers and concrete abutments.

RED BLUFF, Tehama Co., Cal.—Bids will be received by H. G. Kuhn, County Clerk, up to October 2nd 10 A. M., for remodeling the bridge across Coyote creek on the route of the west side State highway, in Supervisor District No. 2.

UKIAH, Mendocino Co., Cal.—Bids received by the County Supervisors for the construction of a bridge over Foster Creek near Hopland have been rejected and it is probable that new bids will be called.

IRRIGATION WORK

EL CENTRO, Imperial Co., Cal.—Voters of the Imperial Irrigation District at a special election of September 15, authorized the issuance of \$2,500,000 bonds, of which amount \$1,500,000 will be used to cancel outstanding warrants and the remainder

for new work and improvements to the water distributing system and for river protection work.

MACDOREL, Siskiyou Co., Cal.—A petition has been received by the County Supervisors asking the formation of an irrigation district comprising more than 30,000 acres between Bray and Dorris in Siskiyou County, the estimated cost of the project being \$1,350,000.

Estimates and engineering data have been compiled by the bonding firm of McDonald & McDonald, First National Bank Bldg., San Francisco.

PORTERVILLE, Tulare Co., Cal.—The Directors of the South Tule Independent Ditch Company have approved plans for cementing the main ditches and laterals of the district. The work will probably commence the first of next year and is estimated to cost \$20,000.

BRAWLEY, Imperial Co., Cal.—Water Co. No. 8, of which F. S. Lack is President, is preparing to build the Thistle canal from a point in Superstition Mountains, adjoining the New River branch, northwesterly to the Trifolium ditch a distance of about ten miles. Work will be started as soon as 1500 shares of stock have been sold and Jan. 1, 1920, is the latest date set for starting work. The building of this ditch will make possible the development of about 15,000 acres west of Brawley.

OROVILLE, Butte Co., Cal.—State Engineer W. F. McClure has notified the Butte County Supervisors that plans for the proposed Honcut-Yuba Irrigation District have been approved. An election will now be called for the formation of the proposed district which comprises more than 2000 acres. R. A. Leonard is Attorney for the district.

MACHINERY

HANFORD, Kings Co., Cal.—The Hanford Union High School District has purchased two auto trucks for the transportation of pupils. The award was made to the Federal Truck Company at \$4,500.

BAKERSFIELD, Kern Co., Cal.—The county rock quarry will be sold at auction on October 8. The original cost was more than \$75,000.

LOS ANGELES, Cal.—Until 3 P. M., October 3, bids will be received by the Board of Public Service, Knickerbocker Bldg., for one lathe in accordance with Specification No. P-210, on file in the office of the Board. Jas. P. Vroman, Secretary.

OKADALE, Stanislaus Co., Cal.—At a recent meeting of the Okadale Irrigation District Directors it was decided to purchase a steam shovel now at Lyndyl, Utah, for \$7,500, provided that it is as represented by the manufacturer's agent, J. P. Sherbesman of San Francisco.

The steam shovel is manufactured by the Erie Co. and is said to meet all the requirements of the district. The

Board decided to send Director Clawson of the purchasing committee, and Engineer Burton Smith to Utah to test the machine.

SEWERS, STREET WORK, ROADS AND WATER SYSTEMS

PHOENIX, Ariz.—West Coast Construction Co. of Tucson, submitted the lowest bid at \$109,220.38 for constructing a concrete pavement 18 ft. wide and 6 in. thick on Section 1-A of the Tucson-Florence state highway, involving 14,126 cu. yds. excavation, 40,370 sq. yds. paving, incidental drainage and other work. Thomas Maddock, State Engineer. Five other bids were received.

SANTA ROSA, Sonoma Co., Cal.—Supervisors are planning the construction of a road along the east side of the Russian River from the Shirley Black Ranch to the terminus of the Cloverdale road, a petition having been received asking the construction at the last meeting.

ANTIOCH, Contra Costa Co., Cal.—At the last meeting of the City Trustees the estimate of \$16,000 for constructing the proposed sewer on F St. from the town limits to the river was revised. Engineer Easley stating it would cost \$18,000, the size having been enlarged.

BURKEA, Humboldt Co., Cal.—Following bids received by the Supervisors for the construction of $\frac{3}{4}$ of a mile of road beyond the bridge now building across the Van Duzen at Dinsmore's were rejected:

Wm. Dinsmore\$2,500
Pedgett & Kelly 2,750

The work was ordered done by day labor under the supervision of Supervisor Masson.

STOCKTON, San Joaquin Co., Cal.—Clark & Henry Construction Co., 38 S-Sutter St., Stockton, has been awarded a contract by the City Council for the improvement of East, Anderson, Worth and other streets on its bid of \$42,378.65. The only other bidder was the Federal Construction Co. at \$44,178.68.

FRESNO, Fresno Co., Cal.—Bids will be received by City Clerk Chas. Dillen, up to October 6th, 5 P. M., for the improvement of Tulare avenue from the east line of First street to the east line of Sixth street by grading; construction of concrete curbs and gutters; corrugated iron culverts with manholes and paving with a 4-inch cement concrete base and a bitulithic wearing surface $\frac{1}{2}$ inches thick.

PORTLAND, Ore.—Following low bids were received by the State Highway Commission, Yeon Bldg., for highway improvements:

Quinton Tunnel (Gilliam County).
552 Lineal Ft. Tunnel.
A. Guthrie & Co.\$40,813.50

Klamath Falls-Algoma.
10.9 Miles Grading; 5.6 Miles Macadam.
Klamath County Court, \$146,061.50
for concrete pipe; \$144,957.50 for iron pipe.

W. H. Mason of Klamath Falls also submitted a bid which included many items on a percentage basis. His proposal was not tabulated.

Hood River-Moiser.
6.4 Miles Macadam.
A. D. Kern (No. 1)\$31,020
Pacific Bridge Co. (No. 2) 75,120
No. 1—Special surfacing.

No. 2—B. S. macadam waterbound.
Walker-Cottage Grove.
Three Miles Macadam.

Haakenson & Thorsen, Cottage Grove, B. S. macadam, \$29,045; gravel macadam, \$28,415.

Deer Island-Seapoo.
10.85 Miles Paving.

Only two proposals were submitted. A. Guthrie & Co. bid \$2.48 per yard for No. 2 concrete and the Warren Construction Co. bid \$1.41 for Bitulithic, type "E," using crushed rock and curbed grading in different sections.

McMinnville-West Dayton.
Five Miles Grading.
Palmer & Young\$67,975 \$67,930
No. 1—Concrete pipe; No. 2—Iron pipe.

John Day River-Blalock.
15 Miles Grading.

O. Huber (No. 1)\$194,263.50
A. Guthrie Co. (No. 2) 211,116.40
No. 1—Concrete pipe.
No. 2—Iron pipe.

Sherman County.
14.7 Miles Grading.
Porter & Conley (1) \$207,805 (2)
\$201,215.

No. 1—Concrete pipe.
No. 2—Iron pipe.

Douglas County.
Concrete Bridge-Culverts.
Union Bridge Co.\$11,954.25

Lane County.
Union Bridge Co.\$6,659.05

Polk-Yamhill County.
A. D. Kern\$18,180

MODESTO, Stanislaus Co., Cal.—Petitions have been received by the City Council asking the paving of 13th street between "L" and Needham avenue and Hackberry between Needham and Alice.

NAPA, Napa Co., Cal.—The City Engineer has been instructed to prepare plans and specifications for the improvement of Madison street from the properties of Doughty and Blackford to First street.

OCEANSIDE, San Diego Co., Cal.—Proceedings have started to pave Second street from the Santa Fe depot to Amie grade and Third street from Hill street to the municipal pier at Pacific street, under the Vrooman Act; cost, about \$60,000.

LOS ANGELES, Los Angeles Co., Cal.—B. Derango submitted the lowest bid at \$25,807.36 for constructing a cement pipe sewer in Homer street between its north terminus and Avenue 23 and other streets in Homer street sewer district. Other bids were: Adam Dalmatin, \$38,700; R. A. Wattson, \$45,000; Blaz D. Zaich, \$47,500; Leo Flie-tisch, \$49,000.

NAPA, Napa Co., Cal.—The City Council is considering the proposition of calling a bond election to secure funds with which to repair the ap-

proach to the city on Soscol avenue and at other points.

RICHMOND, Contra Costa Co., Cal.—The City Council, A. C. Faris, City Clerk, has accepted the bid of L. L. Page, 728 Bissell Ave., Richmond, for the construction of sewers in the Brown-Andrade Tract.

VENTURA, Ventura Co., Cal.—The following road work has been provided for by the Supervisors of Ventura County for the fiscal year: Surfacing La Cross to Ojal and Moorpark to Royal Ave. roads, \$60,000; surfacing 7 miles, \$24,000; improving South Mountain road at Santa Paula, \$25,000; improvement of Ojal road in Santa Paula, \$23,000; improving Cuyama road, \$7,500; improvement of street in front of court house, \$6,000; highway maintenance, \$20,000. Chas. Petit, County Surveyor.

OAKLAND, Cal.—The City Council, L. W. Cummings, City Clerk, has awarded a contract to the Ransome-Randle Co., 28th and Poplar streets, Oakland, for the improvement of Jefferson street from the north line of First street to the south line of Seventh street, by grading; construction of brick gutters; granite and concrete curbs and paving with an oil-macadam base.

Hutchinson Co., 447 17th St., Oakland, for the improvement of East 10th street from the southeast line of Fruitvale avenue to the northwest line of High street, by grading; construction of concrete curbs and gutters; paving with oil-macadam; constructing corrugated iron and concrete culverts and a six-inch sewer of vitrified pipe, with lampholes; "Y's" etc.

BAKERSFIELD, Kern Co., Cal.—Forty miles of paved road will be constructed in the Midway-Fellows-McKittrick district under the highway act of 1907, providing for the formation of road districts, and Paul E. Kressley of Newport Beach, has been appointed engineer to make surveys and have charge of the work. Six-inch concrete pavements 15 to 16 ft. wide will be laid.

RIVERSIDE, Cal.—The citizens of the Arlington District have decided to ask the City Council to construct the proposed Jackson outfall sewer under the Vrooman act. Engineer Braunschweiger estimates the cost of the improvement at about \$94,000.

BAKERSFIELD, Kern Co., Cal.—Federal Construction Co., Call Bldg., San Francisco, submitted the lowest bid at (a) \$51,965.59 for paving Twenty-first, Twenty-second, Twenty-third, Twenty-fourth and H streets in district No. 46, with 3-in. asphaltic base and 1½-in. bitulith surface. A. Teichert & Son, San Francisco, submitted the only other bid at (b) \$53,987.27. The unit prices were:

193,746 sq. ft. grading (a) \$.027; (b) \$.03
193,746 sq. ft. paving (a) \$.199; (b) \$.209
15,110 sq. ft. concrete gutter (a) \$.25; (b) \$.26
4,560 lin. ft. concrete curb (a) \$.45; (b) \$.49.

82.5 ft. 18-in. culvert (a) \$.500; (b) \$.54.

113 ft. 14-in. culvert (a) \$.400; (b) \$.290.

165 ft. double culvert (a) \$.900; (b) \$.540.

The work will be done under the improvement act of 1915. R. H. Hubbard, City Engineer.

MARTINEZ, Contra Costa Co., Cal.—The County Supervisors have let the following contracts in connection with the proposed county highway system: Construction of a concrete bridge over Walnut Creek (having a span of 75 feet).

Awarded to Palmer & Peterson, 742 Market Street, San Francisco, at \$16,900. Other bidders were:

J. T. Sales, \$18,413.82; Ed. H. Martin, \$19,804.45; James Willison, \$17,523; V. H. Loudon, \$19,427; C. H. Gildersleeve, \$18,000; Morris & Roddick, \$22,870; Cotton & McConley Co., \$19,741. Engineer's Estimate, \$17,743.

Construction of Division 15, Section 1, Market and 13th streets, Richmond, \$100 feet.

Awarded to S. C. Rogers and F. E. Rose at \$42,533.22. Engineer's Estimate, \$44,086. Other bidders were: Galbraith & Janes, \$45,365.83; L. L. Page, \$49,088.52; Bates & Borland, \$52,373.37; W. J. Schmidt, \$48,186.70; G. W. Cushing, \$46,966.40; J. E. Stanninger, \$46,780.45.

Section 1, Division 23, Valley Street in the Town of Crockett.

Awarded to Galbraith & Janes, 156 S. 14th St., Richmond, at \$9,911.41. Engineer's Estimate, \$11,437. Other bidders were:

Bates & Borland, \$14,695.65; W. J. Schmidt, \$11,118.88; O'Brien Bros., \$11,487.70; Breese Burgund, \$10,350.25.

WHITTIER, Los Angeles Co., Cal.—An election will be held Sept. 13 to vote on issuing \$300,000 bonds for developing additional water supply and storage capacity for the city water system.

FRESNO, Fresno Co., Cal.—County Highway Engineer Jensen has completed plans for the following units of the County Highway system and will present them for approval at the next meeting of the Supervisors:

Elm-avenue from city limits to Mountain View avenue, Route 11, Section A.

Adams avenue from Fowler city east to Del Rey avenue, Route 19, Section A.

Shaw avenue from Blackstone avenue to Clovis avenue, Route 6, Section A.

Ventura avenue from Maple avenue to Sanger-Academy avenue, Route 15, Section B and part of A.

SAN FRANCISCO.—The Board of Public Works has instructed the Bookkeeping Department to issue a purchase order for 5000 feet of curbing to be used in the improvement of streets.

NAPA, Napa Co., Cal.—The City Engineer has been instructed to prepare plans for the improvement of Caymus street from Main to the S. P. tracks and one block of Napa street between Main and Brown streets.

DALLAS, Tex.—Dallas County has voted \$6,500,000 bonds to build 332 miles of paved roads. There will be a complete belt of highways around the county with 12 roads radiating from Dallas to all sections and 6 intermediate roads connecting the radial highways.

SANTA MONICA, Los Angeles Co., Cal.—Commissioner of Public Works Carter states the proposed street improvement work in the Palisades section, which will cost about \$500,000, will be rushed and he hopes to see the construction started by November. John A. Morton is the City Engineer.

FOWLER, Fresno Co., Cal.—Hugh Crumney, Hearst Bldg., San Francisco, was awarded the contract at \$18,000 for constructing a bitulithic pavement on 2½ blocks of Merced street.

SAN DIEGO, Cal.—The City Council has decided to call an election in November to vote on issuing \$250,000 bonds to improve municipal arterial highways.

SAN DIEGO, Cal.—The City Council has decided to call an election in November to vote on issuing \$1,000,000 bonds for further conservation and supply of water.

SAN BERNARDINO, Cal.—H. H. Lienau, of Highland, (Highway Construction Co.), submitted the lowest bid at \$72,148.62 and was awarded the contract for paving E street between 9th street and Highland avenue with 4 in. of concrete with oil and rock screenings surface and constructing 43 corrugated iron and concrete culverts, his unit price for paving being 14c sq. ft. R. Shea submitted a bid at \$79,487.82, his unit price for paving being 15½c sq. ft., and Los Angeles Paving Co. a bid at \$86,912.98, its unit price for paving being 16.9c sq. ft. Will L. Brown, City Engineer.

SANTA CRUZ, Santa Cruz Co., Cal.—City Engineer Herbert Beck has been instructed to prepare plans and specifications for the construction of a sewer on Fourth avenue, in Seabright, a petition asking the work having been received by the Council.

FRESNO, Fresno Co., Cal.—The John E. Nunn company of Los Angeles is planning the erection of a \$1,000,000 lithographing plant in this city. Contracts secured from various big corporations in Fresno, including the Associated Raisin Company, compels the company to maintain a plant in this section.

MARTINEZ, Contra Costa Co., Cal.—Owing to protests against the plans for the proposed paving, the City Trustees have allowed certain modifications, including the narrowing of the pavement in High street to 18 feet in place of 24 as proposed, beginning at the cemetery and connecting with the State Highway. The base was with the exception of Main and Smith also modified to 5 inches instead of 6 inches, the dressing is to be Topeka in place of Warrenite, the latter being specified on the two streets excepted.

FRESNO, Fresno Co., Cal.—The election held in the North Fresno Sewer District to vote bonds of \$200,000 for sewer construction carried by a large majority. Bids for construction are expected to be called immediately after the sale of the bonds.

OAKLAND, Cal.—The City Council, L. W. Cummings, City Clerk, has awarded contracts for street improvements as follows:

To Ransome-Randle Co., 28th and Poplar streets, Oakland, for the improvement of Livingston street from Cotton to Kennedy street, by grading; constructing concrete curbs and paving with a concrete pavement; construction of a brick manhole; 3 catchbasins and vitrified pipe conduits.

To Bates & Borland, Oakland Bank of Savings Bldg., Oakland, for the improvement of portions of 47th avenue by grading; construction of concrete curbs and gutters and paving with an oil macadam pavement; construction of 2 corrugated iron culverts and 1 wooden culvert.

To the Oakland Paving Co., 5000 Broadway, Oakland, for the improvement of portions of 56th avenue by grading; construction of redwood curbs and concrete gutters and paved with an oil macadam pavement.

OAKLAND, Cal.—The City Council, L. W. Cummings, City Clerk, has passed resolutions of intentions providing for the following street improvements.

Improvement of portions of "B" St. by grading; constructing redwood curbs and gutters and laying an oil macadam pavement; construction of corrugated iron and concrete culverts, etc.

Improvement of Porter street from the south line of 39th avenue to the northwest line of the Fremont Tract by grading; construction of redwood curbs; concrete gutters and laying an oil macadam pavement and the construction of cement concrete sidewalks.

Improvement of 23rd avenue from Railroad avenue to 29th avenue and 29th avenue from E line 23rd avenue to the SW line of block 17 of the "North Alameda Tract" by grading; constructing concrete curbs, brick gutters, and paving with an asphalt pavement; construction of concrete culverts, catchbasins, brick manholes vitrified pipe conduits, etc.

SACRAMENTO, Cal.—J. W. Terrell, 1111 29th St., Sacramento, has been awarded a contract by the City Council, M. J. Desmond, City Clerk, for the improvement of the alley between Fifth avenue and Donner Way by the construction of an 8-inch vitrified ironstone sewer with 58 6-inch vitrified ironstone wye branches and constructing four concrete manholes with cast iron curbs and covers and placing 2 6-inch vitrified ironstone flusher branches and backfilling the trench.

STOCKTON, San Joaquin Co., Cal.—On recommendation of City Engineer Compton the City Council has rejected the bid of T. E. Clinch for the construction of a sewer in East street.

Compton was instructed to prepare plans for the sewer in another portion of the street to overcome ob-

stacles which made the bid of Clinch high.

OAKLAND, Cal.—Bids will be received by L. W. Cummings, City Clerk up to 12 M., October 2nd, for the improvement of Washington street from the north line of First street, to the north line of Second street by grading, paving with an asphalt pavement, resetting curbs and basalt block gutters, etc.

SAN JOSE, Santa Clara Co., Cal.—The County Engineer has been instructed to prepare plans and specifications for grading and graveling the Vvas road from Oak Glen to Uvas bridge in Supervisor District No. 5. Harry A. Pfister is County Clerk.

GRIDLEY, Butte Co., Cal.—According to present plans about thirty blocks of new pavement will be laid on Gridley streets as early as possible next Spring.

The new blocks to be improved will be on Hazel street, the main artery of the city, from its eastern boundary at the State highway to the Southern Pacific depot, and from Indiana street to the western city limits.

SACRAMENTO, Cal.—The \$2,000,000 block of the State Highway Bond issue has been sold to the State Board of Control, no other bids having been submitted.

MARTINEZ, Contra Costa Co., Cal.—Palmer & Peterson, Monadnock Bldg., San Francisco, submitted the lowest bid at \$18,900 to the Contra Costa County Board of Supervisors for building a concrete bridge at Walnut Creek between stations 161 and 293 of County Highway Survey.

SOUTH PASADENA, Los Angeles Co., Cal.—Wm. Liddington, 420 E. Sixtieth street, Los Angeles, submitted the lowest bid at \$34,024 for grading and paving Orange Grove avenue from Mission street to north city boundary and will probably be awarded the contract at the meeting of the City Trustees to be held next Monday evening. C. L. Hill, City Engineer.

Other bidders were: W. F. Ducey, Pasadena, \$34,465; C. C. Bretenstein, Pasadena, \$36,890; E. Schelling, Burbank, \$37,535; Fairchild-Gilmore-Wilson Co., \$41,840; George R. Curtis, Los Angeles, \$43,065; Wells & Bressler, Santa Ana, \$44,030.

SOUTH PASADENA, Los Angeles Co., Cal.—If pending proceedings are consummated bids will be called for about Oct. 1 for approximately 100,000 sq. ft. of 3-in. oil macadam paving on Diamond avenue. C. L. Hill, City Engineer.

RICHMOND, Contra Costa Co., Cal.—A resolution of intention has been passed by the City Council, A. C. Paris, City Clerk, providing for the improvement of portions of Santa Fe avenue by the construction of 375 feet of 4-inch lateral sewers with Y branches and side sewer connections of standard slat glazed, vitrified sewer pipe, and standard lampholes.

LOS ANGELES, Cal.—A resolution of intention to improve Washington street between Arlington avenue and west city limits by paving with concrete base and asphaltic surface and constructing sewers, was adopted by the city council on September 12. A resolution of intention to improve Norton avenue between Third street and Wilshire Blvd. by paving with concrete base and Warrenite surface and constructing sewers, was adopted on September 8.

MERCED, Merced Co., Cal.—The City Trustees, J. D. Wood, City Clerk has passed a resolution of intention providing for the improvement of the alley in Block 187, by grading, construction of concrete curbs and paving with a 4-inch hydraulic cement concrete base.

SAN RAFAEL, Marin Co., Cal.—Bids will be received by County Clerk Rob E. Graham, up to October 7th, 2 P. M., for regrading a portion of the Marshall and Tomales Road, for a distance of 3 1/4 miles, in Road District No. 11, and for the construction of bridges and culverts thereon.

RAILROADS

CALEXICO, Imperial Co., Cal.—The Inter-California Railway will relay its tracks with 85-lb. rails through Mexico, 52 miles; double track will be laid in Mexicali and other improvements will be made. Work has been started. E. G. Burdick, General Manager.

PORTERVILLE, Tulare Co., Cal.—The Sharp-Fellows Construction Co., Central Bldg., Los Angeles, has been awarded the contract for the construction of the Porterville-Ducor branch of the Santa Fe Railroad. Materials for the work have already been purchased, according to the engineering department of the company.

FIRE EQUIPMENT

NAPA, Napa Co., Cal.—Bids will be received by the County Supervisors, James A. Daley, County Clerk, up to October 15th, 10 A. M., for supplying Napa County with 90 Fire Extinguishers for use of Volunteer Fire Department.

The Clinton Construction Co., has been officially awarded the contract for the completion of the structural shop at the Mare Island Navy Yard, they being the low bidders at \$491,000.

Robert Trost, 26th and Howard Sts., submitted the low bid to the Commandant of the Benicia Arsenal and will probably be awarded the contract for the proposed one-story brick, hollow tile and concrete artillery store house to be erected at Benicia. The bid was \$115,088.

Architect S. Heiman, 57 Post street, will shortly take figures for a two-story brick and reinforced concrete factory to be erected for the Pacific Bag Company at the northeast corner of Fifth and Folsom streets. The building is estimated to cost \$18,000.

CONTRACTS AWARDED

Liens, Acceptances, Etc.

BUILDING CONTRACTS.

San Francisco County

The following is an index for the contracts for this issue:

No.	Owner	Contractor	Amt.
1972	Stewart	Bovyer	600
1973	Greenwald	Scott	400
1974	Hoyle	Lorenz	400
1975	Ourlish	Ourlish	24000
1976	Ganter	Maas	4138
1977	De Wolfe	Marcussen	260000
1978	Krogh	Krogh	4500
1979	Svgs Un Bk	Phoenix	4000
1980	Leiter	Phoenix	400
1981	Bothin	Phoenix	400
1982	Schindler	Schindler	450
1983	Elyan	Elyan	1500
1984	Berges	Berges	1500
1985	Cogswell	Browne	6138
1986	Same	Scott	3600
1987	Same	Snook	2438
1988	Same	Norman	2390
1989	Gray	Meyer	5000
1990	Hiertram	Meyer	5000
1991	Heeseman	Johnson	4000
1992	Holmgren	Holmgren	2900
1993	Thiers	McCormick	5000
1994	Wright	Wright	2900
1995	Holbrook	Walker	10000
1996	Hurley	Hurley	3000
1997	Rialto	Hayes	1000
1998	Young	Coburn	400
1999	Gordon	Gordon	1500
2000	Friedrichs	Owner	800
2001	Driscoll	Driscoll	500
2002	McCarthy	Arnott	2250
2003	Nelson	Nelson	6000
2004	Arata	Central	2000
2005	Pac Rubber	Haley	985
2006	Bowen	Dutton	900
2007	Com Center Rlty	Moller	750
2008	Harder	Harder	2800
2009	Brown	McDonald	400
2010	1st Fed Trust	Gilles	500
2011	Murphy	Duncan	6500
2012	Parrott	Dinwiddie	85000
2013	Powell	Powell	8000
2014	Morris	Morris	6000
2015	Same	Same	6000
2016	Goldberg	Spargo	9645
2017	Capurro	De Favaro	21062
2018	Dollar	Knowles	23886
2019	Parisdie	Keenan	9830
2020	Parisdie	Keenan	10240
2021	Leigh	Leigh	4000
2022	Campbell	Campbell	5000
2023	Sattler	Pasqualetti	400
2024	Wieboldt	Nielson	775
2025	Gerken	Denke	495
2026	Dinan	Paulsen	400
2027	Serbin	Serbin	450
2028	Weissbach	Spelt	850
2029	Gross	Jessiman	1000
2030	Fayaz	Vogt	45343
2031	Chldrns' Hspl	Healing	8238
2032	Silver	Lagullio	800
2033	Schweitzer	Owner	500
2034	Clifford	Clifford	400
2035	Goldstein	Mission Conc	35000
2036	Baumann	Black	6000
2037	Baumann	Black	22750

ALTERATIONS

(1972) NO. 2509 PACIFIC AVE. Alter basement for garage.
Owner—Mrs. Jas. Stewart, Premises.
Architect—None.
Contractor—Bovyer & Sons, 2407 California St., San Francisco.
COST, \$600

ALTERATIONS

(1973) NO. 1742-44 GEARY. Alter store windows.
Owner—L. Greenwald, Mills Bldg., San Francisco.
Architect—None.
Contractor—F. H. Scott, 1511 Ellis St., San Francisco.
COST, \$400

ALTERATIONS

(1974) NO. 48 MARKET. Minor alterations.
Owner—Max Hoyle, Premises.
Architect—None.
Contractor—F. A. Lorenz, 473 Jessie, San Francisco.
COST, \$400

APARTMENTS

(1975) E LARKIN 100 N Post. Four-story and basement brick (15 apartments).
Owner—J. S. Ourlish, 825 Monadnock Bldg., San Francisco.
Architect—J. C. Hladik, Monadnock Bldg., San Francisco.
Day's work and Sub-contracts
TOTAL COST, \$4139.00

FRAME COTTAGE

(1976) NE FARRAGUT AVE 150 NW Ellington (Porter) Ave NW 25xNE 80 Ptn Lot 7 Bk 18 West End Map No. 2. All work for one-story and basement frame cottage.
Owner—Marie Ganter, 2264 Franklin St., San Francisco.
Architect—None.
Contractor—H. P. Maas and R. J. McGahey, 565 Douglass St., S. F.
Filed Sept. 15, '19. Dated Sept. 13, '19.
Frame up and roof on.....\$1034.75
Brown coated.....1034.75
Completed and accepted.....1034.75
Usual 35 days.....1034.75
TOTAL COST, \$4138.00
Bond, none. Limit, 100 days after Sept. 15. Forfeit, none. Plans and specifications filed.

APARTMENTS

(1977) S CALIFORNIA 137-6 E Taylor Six-story and basement concrete apartments.
Owner—Winifred De Wolfe and Anna Brownlee, 1801 Van Ness Ave., San Francisco.
Architect—Lewis P. Hobart and H. P. Merritt, Associate, Crocker Bldg., San Francisco.
Contractor—Marcus Marcussen, Royal Insurance Bldg., San Francisco.
COST, \$260,000

FRAME DWELLING

(1978) E SEVENTEENTH AVE 125 N Fulton. Two-story and basement frame dwelling.
Owner—Peter M. Krogh, 660 18th Ave., San Francisco.
Architect—None.
Day's work.....COST, \$4500

SIDEWALK LIGHTS

(1979) NW GRANT AVE & O'FARRELL. New sidewalk lights.
Owner—Savings Union Bank & Trust Co., Premises.
Architect—None.
Contractor—Phoenix Sidewalk Light Co., Monadnock Bldg., S. F.
COST, \$4000

SIDEWALK LIGHTS

(1980) NE DAVIS & SACRAMENTO. New sidewalk lights.
Owner—E. L. Leiter, New Call Bldg., San Francisco.
COST, \$400

San Francisco.

Architect—None.
Contractor—Phoenix Sidewalk Light Co., Monadnock Bldg., S. F.
COST, \$400

SIDEWALK LIGHTS

(1981) S MARKET 100 E Fremont. New sidewalk lights.
Owner—H. E. Bothin, 604 Mission St., San Francisco.
Architect—None.
Contractor—Phoenix Sidewalk Light Co., Monadnock Bldg., S. F.
COST, \$400

ALTERATIONS

(1982) NO. 1832 GOLDEN GATE AVE. Alter for basement garage.
Owner—A. C. Schindler.
Architect—None.
Day's work.....COST, \$450

ADDITIONS

(1983) NOS. 412-14-16-18 TEHAMA. Addition for flats and concrete basement and yard.
Owner—J. A. Iyan, Capp bet. 23rd and 24th Sts., San Francisco.
Architect—None.
Day's work.....COST, \$1500

ALTERATIONS

(1984) NOS. 32-36-38 WASHINGTON Place. Alter store and lodging house.
Owner—Jas. Berges, Cr. Architect.
Architect—P. Righetti, 668 Phelan Bldg., San Francisco.
Day's work.....COST, \$1500

ELECTRICAL WORK

(1985) SE TWENTY-SIXTH AND Folsom. Electrical work for alterations to two-story, basement and attic Class "C" school building.
Owner—The Board of Trustees of Cogswell Polytechnical College, Premises.
Architect—Frederick H. Meyer, Bankers' Invest. Bldg., S. F.
Contractor—Browne-Langlais Elec. Constr. Co., 213 Minna, S. F.
Filed Sept. 16, '19. Dated Sept. 16, '19.
On 1st of each month.....75%
Usual 35 days.....25%
TOTAL COST, \$6138
Bond, \$3069. Surety, New Amsterdam Casualty Co. Limit, 60 days. Forfeit, none. Plans and specifications filed.

(1986) HEATING AND VENTILATING on above.
Contractor—Scott Co., 243 Minna St., San Francisco.

Filed Sept. 16, '19. Dated Sept. 16, '19.
Payments same as above.....
TOTAL COST, \$3600
Bond, none. Limit, 60 days. Forfeit, none. Plans and specifications filed.

(1987) PLUMBING, GAS FITTING & fixture, etc., on above.
Contractor—Frederick W. Snook, 594 Clay St., San Francisco.
Filed Sept. 16, '19. Dated Sept. 16, '19.
Payments same as above.....
TOTAL COST, \$2438

Bond, none. Limit, 60 days. Forfeit, none. Plans and specifications filed.

(1988) PAINTING ON ABOVE.

Contractor—E. P. Norman, 3733 24th, San Francisco.

Filed Sept. 16, '19. Dated Sept. 16, '19. Payments same as above.

TOTAL COST, \$2390

Bond, none. Limit, 60 days. Forfeit, none. Plans and specifications filed.

DWELLING

(1989) W TWENTY-SECOND AVE 50 S Anza. All work for two-story 8-room dwelling.

Owner—John Gray.

Architect—None.

Contractor—Theodore G. Meyer, 2623 Anza, San Francisco.

Filed Sept. 16, '19. Dated Sept. 15, '19

Frame up and roof on.....\$1250

Brown coated 1250

Completed and accepted..... 1250

Usual 35 days..... 1250

TOTAL COST, \$5000

Bond, none. Limit, Dec. 15, 1919.

Forfeit, plans and specifications, none.

DWELLING

(1990) W TWENTY-SECOND AVE 75 S Anza. All work for two-story 8 room dwelling.

Owner—George A. Bertram, 1636 Polk, San Francisco.

Architect—None.

Contractor—Theodore G. Meyer, 2623 Anza, San Francisco.

Filed Sept. 16, '19. Dated Sept. 15, '19.

Frame up and roof on.....\$1250

Brown coated 1250

Completed and accepted..... 1250

Usual 35 days..... 1250

TOTAL COST, \$5000

Bond, none. Limit, Dec. 15, 1919. Forfeit, plans and specifications, none.

ALTERATIONS

(1991) NO. 151 SEVENTEENTH AVE. Alter dwelling into (2) flats.

Owner—Henry Heesman, Premises.

Architect—None.

Contractor—J. Johnson, 305 16th Ave., San Francisco.

COST, \$4000

FRAME DWELLING

(1992) S SEVILLE 126 E Cordova. One-story and basement frame dwelling.

Owner—Holmgren & Bjorkman, 1206 Naples, Oakland.

Architect—None.

Contractor—Victor Holmgren, 1206 Naples, San Francisco.

COST, \$2900

ALTERATIONS

(1993) NO. 8566 TWENTY-SECOND Alter residence and add one story frame.

Owner—Patrick Tierney, Premises.

Architect—None.

Contractor—Thos. McCormick, 25 Gladys, San Francisco.

COST, \$5000

FRAME DWELLINGS

(1994) N TARAVAL 30 and 90 W 16th Ave. Two two-story and basement frame dwellings.

Owner—J. W. Wright & Sons, Invst. Co., 228 Montgomery, S. F.

Architect—None.

Day's work, COST, \$4950 each

ALTERATIONS

(1995) NE BLUXOME AND SIXTH. New roof, floor, shed, etc., for warehouse.

Owner—Holbrook, Merrill & Stetson, Premises.

Architect—None.

Contractor—P. J. Walker Co., Monadnock Bldg., San Francisco.

COST, \$10,000

ALTERATIONS

(1996) NOS. 1235-37 McALLISTER.

General alterations for (2) flats.

Owner—Mr. Edises, 312 Church, S. F.

Architect—None.

Contractor—P. J. Hurley, 146 Herman, San Francisco.

COST, \$3000

ALTERATIONS

(1997) NO. 1129 MARKET. Lower stage.

Owner—Rialto Theatre, Premises.

Architect—Carl Werner, Humboldt Bank Bldg., San Francisco.

Contractor—Hayes-Oser Co., Call Bldg. San Francisco.

COST, \$1000

ALTERATIONS

(1998) NO. 1367 MASONIC AVE. Alter for basement garage.

Owner—C. H. Young, Premises.

Architect—None.

Contractor—Ira W. Coburn, 180 Jessie, San Francisco.

COST, \$400

ALTERATIONS

(1999) NE CLEMENT AND NINE-teenth Ave. Alter store into 4-room flat and other alterations.

Owner—M. Gordon, 616 McAllister St., San Francisco.

Architect—Rousseau & Rousseau, 110 Sutter, San Francisco.

Day's work, COST, \$1500

REPAIRS

(2200) NO. 548 TWENTY-SECOND Ave. General repairs for dwelling.

Owner—C. W. Friedrichs, Premises.

Architect—None.

Day's work, COST, \$800

REPAIRS

(2001) NO. 1302 CHURCH. Repair underpinning.

Owner—Katherine Driscoll, Premises.

Architect—None.

Day's work, COST, \$500

COTTAGE

(2002) LOT 45 BLK 2 Lakeview Tract All work for one-story cottage.

Owner—The McCarthy Co., 316 Bush St., San Francisco.

Plans by Contractor.

Contractor—James Arnott & Son, 2223 18th Ave., San Francisco.

Filed Sept. 17, '19. Dated July 15, '19.

Frame up 25%

Brown coated 25%

Completed 25%

Usual 35 days..... 25%

TOTAL COST, \$2250

Bond, none. Limit, 90 days. Forfeit, plans and specifications, none.

FRAME DWELLING

(2003) W MIRAMAR 91 S Wildwood Drive. One-story and basement frame dwelling.

Owner—Nelson Bros., 30 Northwood Drive, San Francisco.

Architect—Chas. Strothoff, 2276 15th, San Francisco.

Day's work, COST, \$6000

ALTERATIONS

(2004) NOS. 734-736 PACIFIC. Remove 21" brick wall to ceiling of 1st floor and install steel columns and girders.

Owner—Paul Arata, 1124 Clay, S. F.

Architect—None.

Contractor—Central Iron Works, 2050 Bryant, San Francisco.

COST, \$2000

ALTERATIONS

(2005) NOS. 950-952 MISSION. Alter for store.

Owner—Pacific Rubber Co., 433 W. Rico St., Los Angeles.

Architect—None.

Contractor—P. J. Hurley, 146 Herman St., San Francisco.

COST, \$995

ALTERATIONS

(2006) NE BROADWAY AND GOUGH Alter dwelling.

Owner—E. Bowen, 1810 Jackson St., San Francisco.

Architect—None.

Contractor—L. J. Dutton, 904 O'Farrell St., San Francisco.

COST, \$900

ALTERATIONS

(2007) NO. 569 CALIFORNIA. Alter store front.

Owner—Commercial Center Realty Co., 916 Kearny, San Francisco.

Architect—None.

Contractor—R. W. Moller, 614 Call Bldg., San Francisco.

COST, \$750

FRAME DWELLING

(2008) E THIRTY-NINTH AVE 156 N Fulton. Two-story and basement frame dwelling.

Owner—John Harder, 2463 Bush St., San Francisco.

Architect—None.

Day's work, COST, \$2800

ALTERATIONS

(2009) NOS. 1257-59 SIXTH AVE. Alter for basement garage.

Owner—Rosa D. Brown, 1259 6th Ave., San Francisco.

Architect—None.

Contractor—B. McDonald, 1246 6th Ave., San Francisco.

COST, \$400

REINFORCE SIDEWALK

(2010) E HYDE 100 N Golden Gate Ave. Reinforce sidewalk.

Owner—First Federal Trust Co., Post and Montgomery, S. F.

Architect—None.

Contractor—M. Gilles, 2116 Fillmore, San Francisco.

COST, \$500

ALTERATIONS

(2011) NO. 2245 SACRAMENTO. Alter and add to dwelling.

Owner—Mrs. Murphy, Premises.

Architect—Howard & White, Lick Bldg., San Francisco.

Contractor—W. C. Duncan & Son, 205 Sharon Bldg., San Francisco.

COST, \$6500

ALTERATIONS

(2012) S MARKET bet. 4th and 5th. Move stairway from 2nd to 7th floor

and install 4 new elevators.
Owner—The Parrott Estate, Premises
Engineer—T. Ronneberg, Crocker
Bldg., San Francisco.
Contractor—Dinwiddie Constr. Co.,
Crocker Bldg., San Francisco.
COST, \$85,000

BAKERY
(913) E TENTH 225 S Howard. One
story brick bakery.
Owner—H. A. Powell, Cr. Architect.
Architect—O'Brien Bros., Inc., 240
Montgomery, San Francisco.
Day's work. COST, \$8,000

FRAME DWELLING
(914) E MIRAMAR 370 S Wildwood
Drive. One-story and basement
frame dwelling.
Owner—Louis Morris, 132 Jackson,
San Francisco.
Architect—Willard W. Beatty, 54
Eastwood Drive, San Francisco.
Contractor—Gordon W. Morris, 132
Judson Ave., San Francisco.
COST, \$6,000

FRAME DWELLING
(915) LOT 8 BLK 3190, Westwood
Park. One-story and basement
frame dwelling.
Owner—Linnie Morris, 132 Judson
Ave., San Francisco.
Architect—A. W. Smith, 1010 Broad-
way, Oakland.
Contractor—G. W. Morris, 132 Judson
Ave., San Francisco.
COST, \$6,000

RICK BUILDING
(916) W MASONIC AV. 70 N Haight
or N Haight W Masonic Ave. All
work for one-story brick building
and alterations to frame building
for branch United States Post Office.
Owner—Jacob Goldberg, 242 Sutter
street, San Francisco.
Architect—S. Helman, 57 Post, San
Francisco.
Contractor—John Spargo, 240 Mont-
gomery St., San Francisco.
Filed Sept. 18, '19. Dated Sept. 17, '19.
Brick work to ceiling high. \$2411.25
Both buildings white coated 2411.25
Completed 2411.25
Usual 35 days 2411.25
TOTAL COST, \$9,645
Bond, \$4,850. Sureties, Jos. Mulvihill
and Jno. Hayden. Forfeit, none. Limit,
5 days. Plans and specifications filed.

GARAGE
(917) 66-11 ON S VALLEJO and
135 E from Powell and having depth
of 137-6. All work for a two-story
reinforced concrete garage building.
Owner—N. Capurro and A. Podesta,
371 Broadway, S. F.
Architect—Louis Mastropasqua, 580
Washington, S. F.
Contractor—Del Favaro & Rasori, 110
Jessie St., S. F.
Filed Sept. 18, '19. Dated Sept. 16, '19.
Footings poured and first story
in place \$4,262
Concrete poured on 1st story.. 4262
Roof on 4262
Completed and accepted 4262
Usual 35 days 4014
TOTAL COST, \$21,062
Bond, \$14,000. Sureties August Figone
and A. Delmonte. Forfeit, \$10. Limit,
5 days. Plans and specifications filed.

LATHING AND PLASTERING
(2018) BATTERY AND CALIFORNIA
All work of lathing and plastering
for Robert Dollar building.
Owner—Robert Dollar Co. by Din-
widdie Constr. Co., Crocker Bldg.,
San Francisco.
Architect—Chas. W. McCall, Central
Bank Building, Oakland.
Contractor—A. Knowles, Call Bldg.,
San Francisco.
Filed Sept. 18, '19. Dated June 19, '19.
TOTAL COST, \$29,896
Bond, \$15,000. Sureties, Fidelity &
Deposit Co. of Maryland. Forfeit, \$50.
Limit, Dec. 1 (60 days). No plans or
specifications filed.

Note: For additional work the con-
tractor will execute on following basis
if ordered during progress of work:
Plastering both side partitions, \$0.90
per running foot. Wall furring and
plaster, \$1.50 per yard and for lobby
as per plan, \$2,000.

FRAME DWELLINGS
(2019) E THIRTY-FOURTH AVE
150 S Taraval S 50x120. All work
for two one-story frame dwellings.
Owner—Parkside Realty Co., Crocker
Bldg., San Francisco.
Architect—None.
Contractor—H. C. Keenan, 300 Web-
ster, San Francisco.

Filed Sept. 18, '19. Dated Sept. 18, '19.
Frame work completed.....\$2407.50
Brown coated 2407.50
Completed and accepted..... 2407.50
Usual 35 days 2407.50
TOTAL COST, \$9,630.00
Bond, \$5,000. Surety, Hugh Keenan.
Limit, 90 days. Forfeit, none. Plans
and specifications filed.

FRAME DWELLINGS
(2020) N TARAVAL 32-6 W 34th Ave
W 50xN 100. All work for two one-
story frame dwellings.
Owner—Parkside Realty Co., Crocker
Bldg., San Francisco.
Architect—None.
Contractor—H. C. Keenan, 300 Web-
ster, San Francisco.

Filed Sept. 18, '19. Dated Sept. 11, '19.
Frame work completed.....\$2560
Enclosed and brown coated... 2560
Completed and accepted..... 2560
Usual 35 days 2560
TOTAL COST, \$10,240
Bond, \$5,000. Surety, Hugh Keenan.
Limit, 90 days. Forfeit, none. Plans
and specifications filed.

FRAME DWELLING
(2021) E TWENTY-SECOND AVE 25
S Anza. Two-story and basement
frame dwelling.
Owner—David Leigh, 840 44th Ave.,
San Francisco.
Architect—None.
Day's work. COST, \$4,000

AUTO ACCESSORY BLDG.
(2022) S POST 145 W Larkin. One-
story concrete auto accessory bldg.
Owner—J. V. Campbell, 1040 Bryant,
San Francisco.
Architect—None.
Day's work. COST, \$5,000

UNDERPINNING
(2023) SE GEARY AND POLK. Un-
derpinning.
Owner—H. Sattler Rich Hotel, S. F.
Architect—J. A.

Contractor—J. Pasqualetti, 785 Mar-
ket, San Francisco.

COST, \$400

ALTERATIONS

(2024) NE TWENTY-FIRST & YORK.
Raise dwelling and add 4-room flat.
Owner—J. P. Wieboldt, 2678 21st St.,
San Francisco.
Architect—None.
Contractor—T. and J. Nielsen Bros.,
2350 Bryant, San Francisco.
COST, \$775

GARAGE

(2035) NO. 1 SCOTT (rear). One-
story frame private garage.
Owner—Frederick Gerken, Premises.
Architect—None.
Contractor—E. H. Denke, 1317 Hyde,
San Francisco.
COST, \$495

GARAGE

(2026) N PINE 250 W Mason. One-
story frame garage.
Owner—Jermiah Dinan, 918 Pine St.,
San Francisco.
Architect—None.
Contractor—F. Paulsen.
COST, \$400

ALTERATIONS

(2027) NO. 170 HENRY. Alter for
basement garage.
Owner—Morris A. Serbin, 450 Castro,
San Francisco.
Architect—None.
Day's work. COST, \$450

ALTERATIONS

(2028) NOS. 3070-74 CALIFORNIA.
General alterations for flats.
Owner—W. Weissbach, 2602 Califor-
nia, San Francisco.
Architect—None.
Contractor—A. W. Spelt, 539 Day St.,
San Francisco.
COST, \$850

ALTERATIONS

(2029) NO. 226 SEVENTH AVE. Alter
dwelling into (2) flats.
Owner—Felix Gross, 310 Call Bldg.,
San Francisco.
Architect—None.
Contractor—J. W. Jessiman, 926 Cle-
ment, San Francisco.
COST, \$1,000

BOLT WORKS

(2030) SE HOWARD 45-10 NE Main
SE 137-6xSW 45-10. All work ex-
cept excavation, piling, bulk head-
ing, elevator work, plumbing, wiring
and painting for three-story Class
"C" building for bolt works.
Owner—Paynes Bolt Works, 133 How-
ard, San Francisco.
Architect—Nathaniel Blaisdell, 255
California, San Francisco.
Contractor—Alfred H. Vogt, 185
Stevenson, San Francisco.
Filed Sept. 19, '19. Dated Sept. 2, '19.
Concrete walls up to level of 1st
floor \$11,250
Walls built to bearings of 3rd
floor joists 11,250
Completed and accepted..... 11,507
Usual 35 days 11,336
TOTAL COST, \$45,343

Bond, \$22,672. Sureties, C. S. Hoffman
and Emil Hogberg. Limit, 90 days.
Forfeit, \$10. Plans and specifications
filed.

ALTERATIONS

(2031) SW MAPLE & SACRAMENTO
'New roof, partitions, etc.
Owner—Children's Hospital, Premises.
Architect—None.
Contractor—Geo. Healing, 110 Jessie,
San Francisco.

COST, \$8236

ALTERATIONS

(2032) NO. 220 PRAGUE. Alter and
add to dwelling.
Owner—Victor Silver, Premises.
Architect—B. Laguillo.
Contractor—B. Laguillo, 626 Madrid,
San Francisco.

COST, \$800

ADDITION

(2033) NO. 874 CHESTNUT. Add one
room to dwelling.
Owner—Mrs. Wm. Schweitzer, Prem.
Architect—None.
Day's work.

COST, \$500

ALTERATIONS

(2034) NO. 87 HARRINGTON. Raise
dwelling and add foundation.
Owner—W. H. Clifford, Premises.
Architect—None.
Day's work.

COST, \$400

STORE BUILDING

(2035) NE VAN NESS AND OLIVE
Aves. 60 on Van Ness and 109 on
Olive Ave. All work for two-story
and basement reinforced concrete
store building.
Owner—E. L. Goldstein Co. (A corp.).
Architect—Jos. L. Stewart, Claus
Spreckels Bldg., San Francisco.
Contractor—Mission Concrete Co., 180
Jessie, San Francisco.
Filed Sept. 20, '19. Dated Sept. 19, '19.
1st floor concrete poured.....\$7000
2nd floor concrete poured..... 7000
Roof on and basement floor in
place 7000
Completed and accepted..... 7000
Usual 35 days..... 7000
TOTAL COST, \$35,000
Bond, none. Limit, 75 days. Forfeit,
\$30. Plans and specifications filed.

FRAME RESIDENCE

(2036) LOT 1 BLK 3197, Westwood
Park Tract. All work for one-story
frame residence.
Owner—Herman C. Baumann, 251
Kearny, San Francisco.
Architect—H. C. Baumann, 251 Kearny
San Francisco.
Contractor—Robt. G. Black, 40 Wood-
land Ave., San Francisco.
Filed Sept. 20, '19. Dated Sept. 16, '19.
Frame up and enclosed.....\$1500
Interior and exterior plaster on 1500
Completed and accepted..... 1500
TOTAL COST, \$6000
Bond, \$3000. Sureties, E. A. Janssen
and J. A. Hardy. Limit, 90 days. For-
feit, none. Plans only filed.

FRAME RESIDENCES

(2037) LOTS 23, 24, 25, 26, AND 27
BLK 3175, Westwood Park Tract. All
work for five one-story and base-
ment frame residences.
Owner—Herman C. Baumann, 251
Kearny, San Francisco.
Architect—H. C. Baumann, 251 Kearny
San Francisco.
Contractor—Robt. G. Black, 40 Wood-
land Ave., San Francisco.
Filed Sept. 20, '19. Dated Aug. 26, '19.
Frame up and roof on.....\$5687
Interior & exterior plaster on 5687

Completed and accepted..... 5687
Usual 35 days..... 5689
TOTAL COST, \$22,750
Bond, \$11,375. Sureties, E. A. Janssen
and J. Hardy. Limit, 90 days. For-
feit, none. Plans only filed.

COMPLETION NOTICES.

San Francisco County

Retorced Accepted
Sept. 15, 1919—E VALENCIA 101-0%
S 25th S 33-54XE 117-6. J A
Christen & Sons to A H Wilhelm
Sept. 13, 1919—E TWENTY-FIFTH
Ave 284-8 S Anza S 25XE 120. J J
Lyons to Thos Hamill. Sept. 8, 1919
Sept. 18, 1919—LOTS 22, 23. BLK
3163 Westwood Park. Hilding An-
derson to Anderson & Johnson.....
Sept. 18, 1919—S LAKE 82-6 E 24th
Ave. E 50XS 100. Geo C. Sargent
to C. C. Morehouse..... Sept. 16, 1919
Sept. 18, 1919—W TWENTY-SIXTH
Ave 275 N Lake 25xW 120. L B
and Janette A Hammond to Her-
man Steiger..... Sept. 17, 1919
Sept. 18, 1919—NE SIXTH AVE &
Clement. Peter R. Savage to
Arthur Elvin..... Sept. 15, 1919

LEASES.

San Francisco County.

Sept. 15, 1919—NO. 499 HAIGHT SE
Fillmore. John Tiedemann to Wm
Fishback and Chas Pfeiffer. 5 yrs.
\$850.00.
Sept. 17, 1919—NO. 1565 JACKSON. T
M Burd to Harry Albright and
Hazel Dwelly. 3 years. \$27,000.
Sept. 18, 1919—NO. 1624 LAMORE.
Peninsula Realty Corp to C Honda.
August 31, 1922. \$3960.
Sept. 18, 1919—NO. 1910 & 1912 Van
Ness Ave. Gerard Invt Co to
Martin M Hartmann. 2 years. \$6000
Sept. 19, 1919—NO. 1067 VALENCIA
E line bet. 21st and 22nd E
Driggs to Charlotte de Castro. 34
months. \$225.
Sept. 19, 1919—NE ELLIS & MASON;
No. 1815. Ellis Street Im-
ment Co to Roy Burgan. 2 years.
\$720 per month.

BUILDING CONTRACTS.

Alameda County.

No.	Owner	Contractor	Amt.
2017	Pfrang	Pfrang	4000
2018	Anderson	Anderson	400
2019	Willard	Schnebley	400
2020	Goding	Haskell	400
2021	Astrue	Nielsen	8000
2122	Vey Oil Cptn	Paulson	3000
2123	Gier	Boeddeker	5000
2124	Anderson	Anderson	2200
2125	Lorimer	Lorimer	2000
2126	Anderson	Anderson	4000
2127	Simon	Blabon	1000
2128	Garland	Garland	750
2129	Bartelme	Kopf	464
2130	Swanger	Barnard	490
2131	Thompson	Thompson	400
2132	Johnson	Anderson	500
2032	Blachoff	Owner	3000
2033	Kellogg	Colley	6100
2034	Swaney	Bischoff	400
2035	Maloney	Mills	400
2036	Larson	MacGregor	1975
2037	Arey	Hudson	3000
2038	Smith	Smith	4000
2039	McIntosh	Owner	3000
2040	Montenegro	Warren	9000
2041	Ware	Peterson	500
2042	Sonderleifer	Pedgrift	500
2043	McKenney	Vick	400
2044	Geekie	Geekie	400
2045	Kelly	Brumfield	490
2046	Oakes	MacLeod	800
2047	Hoge	Schwalb	12738
2048	Smith	MacGregor	4850
2049	Ekert	Strang	6000
2050	Pomares	Pomares	4200
2051	Compomenosi	Owner	3450
2052	Norie	Olson	600
2053	Shannon	Christiansen	700
2054	Hurst	Trammel	750
2055	Brozier	Brozier	2450
2056	Hinch	Hinch	1950
2057	Stolte	Stolte	3200
2058	Mitchell	Hollenbeck	2075
2059	Lillencrantz	Peterson	4000

2060	Motr	Jenkins	4500
2061	Noble	Noble	3500
2062	Noble	Noble	2500
2063	I D E S	Bruce	5100
2064	Little	Olson	10950
2065	Fox	Rich	2100
2066	Fox	Rich	2100
2067	Fish	Nunes	450
2068	Rutter	Carlson	2400
2069	Judson	Judson	2000
2070	Hendricksen	Francis	7700
2071	Horne	Horne	400
2072	De Laite	Chamney	875
2073	Rave	Rave	2000
2074	Cross	Burke	2000
2075	Norgrove	Baker	3750
2076	Strang	Strang	2000
2077	Star Mattress	Scott	1000
2078	Mello	Thomas	1000
2079	Phillis	Phillis	1000
2080	Brown	Wieben	500
2081	Brooks	Brooks	400
2082	Minford	Minford	400
2083	Haines	Haines	400
2084	Williams	Williams	400
2085	Minor	Hawkins	400

DWELLING

(2017) W PRYAL 42 N Keith Ave.,
Oakland. One and one-half-story 7-
room dwelling.
Owner—H. C. Pfrang, 5507 College
Ave., Oakland.
Architect—None.
Day's work.

COST, \$4000

DRYING ROOM

(2018) NO. 3308 MAPLE AVE, Oak-
land. One-story drying room.
Owner—A. Anderson, Premises.
Architect—None.
Day's work.

COST, \$400

ALTERATIONS

(2019) NO. 2132 WEBSTER, Oakland.
Alterations.
Owner—Willard Battery Co., Prem.
Architect—None.
Contractor—Schnebley & Hostrawser,
6th and Jackson, Oakland.
COST, \$400

GARAGE

(2020) NO. 950 THIRTY-NINTH,
Oakland. Garage.
Owner—Merle S. Goding, Premises.
Architect—None.
Contractor—Albert A. Haskell, 4331
Montgomery, St., Oakland.
COST, \$400

FRAME APARTMENTS

(2021) W VAN BUREN 90 S Lenox,
Oakland. All work for two-story
12-room frame apartment house.
Owner—Mary E. Astrue, 3005 Grove,
Oakland.
Architect—None.
Contractor—Holger Nielsen & William
Nelson, 4127 24th, San Francisco.
Filed Sept. 16, '19. Dated Sept. 8, '19.
Frame up and roof completed..... %
Plastered %
Completed and accepted..... %
Usual 35 days..... %
TOTAL COST, \$8000
Bond, none. Limit, Jan. 3, 1920. For-
feit, none. Plans only filed.

OIL TANKS

(2122) FIFTH ST. AND SNYDER
Ave., Berkeley. Two reinforced con-
crete oil tanks.
Owner—Vegetable Oil Corp., Premises.
Architect—None.
Contractor—Paulson & Marini, Prem.
COST, \$3000

DWELLINGS

(2123) W MITCHELL 85 and 125 N
E-14th, Oakland. Two one-story 5-
room dwellings.

Owner—Theo. Gier.
Architect—None.
Contractor—Joe Boeddeker, 814 34th Ave., Oakland.
COST, \$2500 each

DWELLING
(2124) S MADELINE 320 E Laurel Ave., Oakland. One-story five-room dwelling.
Owner—Carl W. Anderson, 1629 Julia St., Oakland.
Architect—None.
Day's work. COST, \$2200

WAREHOUSE
(2125) S E-FOURTEENTH 60 E 24th Ave., Oakland. One-story warehouse.
Owner—J. W. Lorimer, 1817 9th Ave., Oakland.
Architect—None.
Day's work. COST, \$2000

DWELLING
(2128) S SANTA RAY AVE 300 E Paloma Ave., Oakland. One and one-half-story 5-room dwelling.
Owner—Anderson & McCoy, 1483 Wellington, Oakland.
Architect—None.
Day's work. COST, \$4000

ADDITION
(2127) NO. 5029 E-FOURTEENTH, Oakland. Addition.
Owner—S. Simon, Premises.
Architect—None.
Contractor—Blabon & Inlow, 4453 E 14th, Oakland.
COST, \$1000

DWELLING
(2128) W MONTGOMERY 90 N Mather, Oakland. One-story 4-room dwelling.
Owner—A. Garland, 380 38th, Oakland.
Architect—None.
Day's work. COST, \$750

GARAGE
(2129) NO. 535 HADDON ROAD, Oakland. Garage.
Owner—F. J. Bartelme, Premises.
Architect—None.
Contractor—Ben F. Kopf, 1015 82nd Ave., Oakland.
COST, \$464

ADDITION
(2130) NO. 583 WALSWORTH AVE., Oakland. Addition.
Owner—Dr. Swauger, Premises.
Architect—None.
Contractor—C. S. Barnard, 597 24th, Oakland.
COST, \$490

ADDITION
(2131) NO. 4101 OPAL, Oakland. Addition.
Owner—E. S. Thompson & Son, 3656 Broadway, Oakland.
Architect—None.
Day's work. COST, \$650

ALTERATIONS
(2132) NO. 2321 NINETY-FOURTH Ave., Oakland. Alterations.
Owner—A. Johnson, Premises.
Architect—None.
Contractor—Anderson & McCoy, 1483 Wellington Ave., Oakland.
COST, \$500

DWELLING
(2023) W CHERRY 44 N Russell, Berkeley. One and one-half-story 6 room dwelling.

Owner—John A. Bischoff, 5768 Shafter Ave., Oakland.
Architect—None.
Day's work. COST, \$3000

DWELLING
(2033) E SHATTUCK AVE 225 N Los Angeles, Berkeley. One and one-half story 6-room dwelling.
Owner—Harold A. Kellogg, 72 Plaza Drive, Berkeley.
Architect—None.
Contractor—R. H. Cooley Mfg. Co., 33d St. and San Pablo Ave., Oakland.
COST, \$6100

GARAGE
(2034) E ETON AVE 117 N Claremont Ave., Berkeley Garage.
Owner—Chas. W. Swasey, 3143 Eton Ave., Berkeley.
Architect—None.
Contractor—John A. Bischoff, 5768 Shafter Ave., Oakland.
COST, \$400

ADDITION
(2035) NO. 2639 COLLEGE AVE., Berkeley. Addition.
Owner—Mrs. Mahony, Premises.
Architect—None.
Contractor—Henry W. Mills, 2521 Hillegass Ave., Berkeley.
COST, \$400

DWELLING
(2036) E RHODA AVE 350 N Carmel, Oakland. One-story 4-room dwelling.
Owner—F. Larson, 3952 Rhoda Ave., Oakland.
Architect—None.
Contractor—C. M. MacGregor, 470 13th, Oakland.
COST, \$1975

DWELLING
(2037) W EVERETT AVE 160 S Hampel, Oakland. One-story 5-room dwelling.
Owner—Fred R. Arey, 3111 Fruitvale Ave., Oakland.
Architect—None.
Contractor—L. G. Hudson, 3458 Fruitvale Ave., Oakland.
COST, \$3000

DWELLING
(2033) S EXCELSIOR AVE 200 E Alma, Oakland. Two-story 8-room dwelling.
Owner—M. F. Smith, 436 Moss Ave., Oakland.
Architect—None.
Day's work. COST, \$4000

DWELLING
(2039) S FORTY-FOURTH 150 E Market, Oakland. One-story 5-room dwelling.
Owner—Wm. C. McIntosh, 1st National Bank, Emeryville.
Architect—None.
Day's work. COST, \$3000

DWELLING
(2040) E WINSOR 300 N Lakeshore, Oakland. Two-story 7-room dwlg.
Owner—Dr. Montenegro, 1091 Winsor, Oakland.
Architect—A. W. Smith, 1010 Broadway, Oakland.
Contractor—C. H. Warren, 2615 Derby, Oakland.
COST, \$9000

GARAGE
(2041) NO. 2705 ABBEY, Oakland. Garage.
Owner—Mrs. Carrie A. Ware, Premises.
Architect—None.
Contractor—C. O. Peterson, 7th and Oak, Oakland.
COST, \$500

ALTERATIONS
(2042) NO. 316 ATHOL AVE, Oakland. Alterations.
Owner—T. Sonderleifer, Premises.
Architect—None.
Contractor—Jas. H. Pedgrift, 565 16th, Oakland.
COST, \$500

ADDITION
(2043) NO. 1270 SEVENTY-THIRD Ave., Oakland. Addition.
Owner—Mrs. McKenney, Premises.
Architect—None.
Contractor—Wm. Vick, 1202 73rd Ave., Oakland.
COST, \$400

STUDIO
(2044) NO. 968 FORTY-THIRD, Oakland. One-story 3-room studio.
Owner—J. Geekie, Premises.
Architect—None.
Day's work. COST, \$400

ALTERATIONS
(2045) NO. 2300 BROADWAY, Oakland. Alterations.
Owner—Kelly Springfield Tire Co., Premises.
Architect—None.
Contractor—Brumfield Elec. Sign Co., 18 7th St., San Francisco.
COST, \$490

ADDITION
(2046) NO. 616 THIRTY-FOURTH, Oakland. Addition.
Owner—Mr. Oakes, Premises.
Architect—None.
Contractor—J. R. MacLeod, 1727 7th, Oakland.
COST, \$800

FRAME APARTMENTS
(2047) LOT 47 Map Lake Shore Park Heights, Oakland. All work except steam heat for two-story frame apartments.
Owner—L. B. Hoge, 943 Pacific Bldg., Oakland.
Architect—Schirmer Bugbee & Co., Thayer Bldg., Oakland.
Contractor—Harry Schwalm, 721 Main St., Hayward.
Filed Sept. 17, '19. Dated Sept. 16, '19.
Sheathed \$2388.51
Brown coated 2388.51
Ready for painting 2388.51
Completed and accepted.... 2388.51
Usual 35 days..... 3184.71
TOTAL COST, \$12,738.75
Bond, \$6369.37. Surety, Globe Indemnity Co. Limit, 110 days. Forfeit, \$10.
Plans and specifications filed.

FRAME RESIDENCE
(2048) MONTICELLO AND ARROYO Aves., Piedmont. One and one-half-story frame residence.
Owner—J. F. Smith.
Architect—None.
Contractor—C. M. MacGregor, 470 13th, Oakland.
COST, \$4950

FRAME DWELLING
(2049) LOT 10 BLK 8 "The Oaks," Piedmont. Two-story frame dwlg.

Owner—Mrs. E. Ekert.
Architect—None.

Contractor—V. N. Strang, 521 9th St.,
Oakland.

COST, \$6000

DWELLING

(2050) W FOURTH AVE 35 S E-14th
Oakland. One and one-half-story 6
room dwelling.

Owner—Louis G. Pomares, 492 44th,
Oakland.

Architect—None.

Day's work. COST, \$4200

DWELLING

(2051) NE CAVOUR AND JAMES,
Oakland. One-story 5-room dwlg.

Owner—E. Campomenosi, 5238 Law-
ton Ave., Oakland.

Architect—None.

Day's work. COST, \$3450

DWELLING

(2052) FRUITVALE ACRE HEIGHTS,
Oakland. One-story 3-room dwlg.

Owner—H. E. Noble, 4154 Piedmont
Ave., Oakland.

Architect—None.

Contractor—G. W. Olson, 1933 16th
Ave., Oakland.

COST, \$600

ALTERATIONS

(2053) NO. 2278 E-NINETEENTH,
Oakland. Alterations and additions.

Owner—R. W. Shannon, Premises.

Architect—None.

Contractor—H. Christiansen, 2324 E-
23rd, Oakland.

COST, \$700

ADDITION

(2054) NO. 521 COTTAGE, Oakland.
Addition.

Owner—E. B. Hurst, Premises.

Architect—None.

Contractor—E. Trammel, 884 54th,
Oakland.

COST, \$750

DWELLING

(2055) E BONAR 300 N Dwight Way,
Berkeley. One-story 5-room dwlg.

Owner—Jas. W. Brazier, 1251 Chan-
ning Way, Berkeley.

Architect—None.

Day's work. COST, \$2450

DWELLING

(2056) N OREGON 95 W Wallace,
Berkeley. One-story 4-room dwlg.

Owner—E. M. Hinch, 393 Bellevue
Ave., Oakland.

Architect—None.

Day's work. COST, \$1950

DWELLING

(2057) NO. 1646 BROADWAY, Ala-
meda. One-story 5-room dwlg.

Owner—F. C. Stolte, 3449 Laguna Ave.
Oakland.

Architect—None.

Day's work. COST, \$3200

DWELLING

(2058) E BURBANK 188 N Portola,
Alameda. One-story 5-room dwlg.

Owner—Mitchell.

Architect—None.

Contractor—G. B. Hollenbeck, 3516
Richmond Ave., Oakland.

COST, \$2975

ADDITION

(2059) NO. 1739 CENTRAL AVE.,
Alameda. Add to dwelling.

Owner—Dr. Lillencrantz, 19th St. and

Telegraph Ave., Oakland.

Architect—None.

Contractor—Alfred Peterson, 3918 Lin-
wood Ave., Oakland.

COST, \$4000

DWELLING

(2060) NE CANTA CLARA AVE AND
Union, Alameda. One-story 6-room
dwelling.

Owner—R. B. Mott, 1504 Union, Ala.

Architect—None.

Contractor—C. M. Jenkins, 1434 Park,
Alameda.

COST, \$4500

DWELLINGS

(2061) NOS. 2700 & 2720 WASHING-
ton, Alameda. Two one-story 6-
room dwellings.

Owner—G. H. Noble, 2205 Santa Clara
Ave., Alameda.

Architect—None.

Day's work. COST, \$2750 each

DWELLING

(2062) NO. 1109 VERSAILLES AVE.,
Alameda. One-story 5-room dwlg.

Owner—G. H. Noble, 2205 Santa Clara
Ave., Alameda.

Architect—None.

Day's work. COST, \$2500

LODGE BUILDING

(2063) S ST. MARY'S ST., bet Ppty
of Mrs. J. B. Walton and C. H. Dall,
Pleasanton. All work for one-story
addition to lodge building.

Owner—J. C. Mendonca, M. I. Silva, J.
M. Roza, M. S. Andrade and M. M.
Rodrigues, Building Committee of
Conselho Peixoto No. 15, I. D. E.
S., Pleasanton.

Architect—None.

Contractor—C. A. Bruce, Pleasanton.
Filed Sept. 17, '19. Dated Sept. 16, '19.

Floor joists in place..... 1/4

Roof in place..... 1/4

When completed..... 1/4

Usual 35 days..... 1/4

TOTAL COST, \$5100

Bond, none. Limit, 60 days. Forfeit,
none. Plans and specifications filed.

FRAME DWELLING

(2064) E EUCLID AVE 300 N Van
Buren being S 47 Lot 21 Blk 1 J,
Highland Sbdvn Adams Point Ppty,
Oakland. All work for two-story
and basement frame dwelling.

Owner—Mary H. Little, Harrison
Apts., Oakland.

Architect—Claude B. Barton, 1st Trust
Bldg., Oakland.

Contractor—Alfred Olson, 565 16th,
Oakland.

Filed Sept. 17, '19. Dated Sept. 10, '19.

Roof sheathed..... 1/4

Brown coated..... 1/4

Completed and accepted..... 1/4

Usual 35 days..... 1/4

TOTAL COST, \$10,990

Bond, none. Limit, 80 days. Forfeit,
none. Plans and specifications filed.

(2065) N BERKELEY WAY 245 W
Acton, Berkeley. One-story 5-room
dwelling.

Owner—Chris. B. Fox, 4001 Broadway,
Oakland.

Architect—None.

Contractor—James L. Rich, 947 42nd,
Oakland.

COST, \$2100

DWELLING

(2066) N BERKELEY WAY 210 W
Acton, Berkeley. One-story 5-room

dwelling.

Owner—Miss Heneretta Fox, 4901
Broadway, Oakland.

Architect—None.

Contractor—James L. Rich, 947 42nd,
Oakland.

COST, \$2100

GARAGE

(2067) NO. 2910 ASHBY AVE., Ber-
keley. Garage.

Owner—Mrs. Fish, Premises.

Architect—None.

Contractor—Geo. W. Nunes, 5438
Dover, Oakland.

COST, \$450

DWELLING

(2068) W SEVENTY-FOURTH AVE
572 N E-14th, Oakland. One-story
5-room dwelling.

Owner—Mrs. Addie Rutler, 1214 96th
Ave., Oakland.

Architect—None.

Contractor—Francis Carlson, 1221 42d
Ave., Oakland.

COST, \$2400

ALTERATIONS

(2069) FOOT PARK AVE., Oakland.
Alter plant.

Owner—Judson Mfg. Co., Premises.

Architect—None.

Day's work. COST, \$2000

DWELLING

(2070) W TWENTY-THIRD AVE 75
N E-29th, Oakland. One-story 4-
room dwelling.

Owner—Annie Hendricksen, 1524 7th
Ave., Oakland.

Architect—None.

Contractor—Francis & Carlsoa, 4315
E-12th, Oakland.

Cost, \$2700

GARAGE

(2071) NO. 3833 BROOKDALE AVE.,
Oakland. Garage.

Owner—Peter F. Horne, Premises.

Architect—None.

Day's work. COST, \$400

ADDITION

(2072) NO. 9437 CHERRY, Oakland.
Addition.

Owner—P. De Laite, Premises.

Architect—None.

Contractor—Champney Bras., 5222
Dover, Oakland.

COST, \$575

DWELLING

(2073) W EIGHTY-SIXTH AVE 160
N Birch, Oakland. One-story 4-room
dwelling.

Owner—Carl Rave, 1815 84th Ave.,
Oakland.

Architect—None.

Day's work. COST, \$2000

DWELLING

(2074) S E-THIRTY-THIRD 150 W
Stewart, Oakland. One-story 5-room
dwelling.

Owner—R. H. Cross.

Architect—None.

Contractor—C. B. Burks, 4152 Ran-
dolph Ave., Oakland.

COST, \$2000

DWELLING

(2075) E EL CENTRO AVE 180 S
Hollywood, Oakland. One-story 6-
room dwelling.

Owner—Norgrove & Eccles, 2900 Rea-
velt St., Berkeley.

Architect—None.

Contractor—W. J. Baker, 546 30th St., Oakland. COST, \$3750

DWELLING

(2076) N EXCELSIOR BLVD. 50 W Athol Ave., Oakland. Two-story 7-room dwelling.

Owner—F. N. Strang, 1405 Central Ave., Alameda.

Architect—None.
Day's work. COST, \$5000

ALTERATIONS

(2077) NO. 487 CLIFTON, Oakland. Alterations and additions. Owner—Star Mattress Factory. Architect—None.

Contractor—G. A. Scott, 685 23rd, Okd. COST, \$1000

ADDITION

(2078) NO. 1042 KENNEDY, Oakland Addition.

Owner—John Mello, Premises. Architect—None.

Contractor—John Thomas, 1062 Cotton St., Oakland. COST, \$1000

ALTERATIONS

(2079) NO. 667 THIRTY-SEVENTH, Oakland. Alterations.

Owner—H. Phillips, Premises. Architect—None.

Contractor—H. E. Irish, 2214 Clement St., Alameda. COST, \$1000

REPAIRS

(2080) SE THIRTY-SEVENTH AVE. and E-14th St., Oakland. Repairs.

Owner—Brown "The Grocer." Architect—None.

Contractor—Alex C. Wieben, 1919 Fruitvale Ave., Oakland. COST, \$500

ALTERATIONS

(2081) NO. 4106 BAYO, Oakland. Alterations and additions.

Owner—T. H. Brooks, Premises. Architect—None.

Day's work. COST, \$400

ADDITION

(2082) NO. 2702 E-NINTH, Oakland. Addition.

Owner—A. B. Minford, Premises. Architect—None.

Day's work. COST, \$400

DWELLING

(2083) LEONA HEIGHTS, Oakland. One-story 2-room dwelling.

Owner—S. E. W. Haines, R. F. D. 220 "A" St., Oakland.

Architect—None.
Day's work. COST, \$400

DWELLING

(2084) SE MAPLE AVE & WISCONSIN, Oakland. One-story 2-room dwelling.

Owner—W. R. Williams, Premises. Architect—None.

Day's work. COST, \$350

GARAGE

(2085) NO. 2614 WARRING, Berkeley Garage.

Owner—Ralph S. Minor, Premises. Architect—None.

Contractor—Hawkins. COST, \$400

COMPLETION NOTICES.

Alameda County.

Recorded Accepted
Sept. 19, 1919—B OXFORD near
Eunice, Bkly. Mrs E M Mathews
and Mrs Nellie McHaffie by James
W Plachek to C H Warren.
..... Sept. 19, 1919NOTICE OF NON-RESPONSIBILITY.
Sept. 18, 1919—LOTS 11 AND 12 BLK
1 Map No. 6, Regents Park, Albany.
Victoria Norris.

BUILDING CONTRACTS.

Fresno County.

STORE AND OFFICE BLDG.

LOTS 1, 2 AND 3 BLK 71, Fresno. One
story Class "A" store and office
building.

Owner—A. Mattei, 200 "I" St., Fresno.

Architect—E. A. Mathewson, Cory
Bldg., Fresno.Contractor—Lindgren Co., Monadnock
Bldg., San Francisco. COST, \$500,000

ALTERATIONS

NO. 1137 "I" ST., Fresno. Alterations
Owner—Frank Homer, Agent.Architect—None.
Contractor—Trewwhitt & Shields,
Rowell Bldg., Fresno. COST, \$3000

FRAME DWELLING

LOT 2 BLK 53, Alta Vista Tract,
Fresno. Frame dwelling.Owner—L. L. Howard, Fresno.
Architect—None.

Day's work. COST, \$2750

DWELLING

LOTS 19 AND 20 BLK 3, Leona
Heights, Fresno. Frame dwelling
and garage.Owner—B. C. Kennedy, 1026 "N" St.,
Fresno.Architect—None.
Day's work. COST, \$3000

DWELLING

LOTS 20 AND 21 BLK 1, Mattewan
Addition, Fresno. Frame dwelling
and garage.Owner—J. H. Brown, Fresno.
Architect—None.

Day's work. COST, \$3000

DWELLING

LOT 4 BLK 12, Alta Vista Tract,
Fresno. Frame dwelling and gar-
age.Owner—N. B. Swett, 3411 Balch St.,
Fresno.Architect—None.
Contractor—Yarnell & Garger, 1014 8-
4th St., Fresno. COST, \$5250

ADDITION

N PART SEC. 11, 14-21, Locan School
District, Fresno. All work for ad-
dition to school.Owner—Trustees of Locan School Dis-
trict, Fresno.Architect—None.
Contractor—R. Pedersen Co., 446 Clark
St., Fresno.Filed Sept. 16, '19. Dated Sept. 13, '19.
Sub-flooring in place.....\$1187.50

Roofed and ready for plaster 1187.50

Completed 1187.50

Usual 35 days..... 1187.50

TOTAL COST, \$4750

Bond, \$2375. Sureties, Geo. Larsen
and Andrew Iversen. Limit, 60 days.
Forfeit, none. Plans and specifica-
tions filed.

DWELLING

LOTS 100 AND 101 Del Mar Tract,
Fresno. Frame dwelling and gar-
age.Owner—C. L. Saylor, 3734 Illinois St.,
Fresno.Architect—None.
Day's work. COST, \$3000

DWELLING

LOTS 6, 7 AND 8 BLK 8, North Park,
Fresno. Frame dwelling and garageOwner—Mrs. C. G. Bray, 624 N-Van
Ness, Fresno.Architect—None.
Contractor—B. J. Rheiner, Fresno. COST, \$7600

DWELLING

LOT 3 BLK 12, Alta Vista Tct, Fresno.
Frame dwelling and garage.Owner—P. W. Baker, 1420 La Salle St.,
Fresno.Architect—None.
Day's work. COST, \$4500

FRAME DWELLING

LOT 15 BLK 388, Fresno. Frame dwlg.
Owner—Wm. Hamilton, 1825 "F" St.,
Fresno.Architect—None.
Day's work. COST, \$2000

FRAME DWELLING

LOTS 81 AND 32 BLK 231, Fresno.
Frame dwelling.Owner—Jacob Kuntman, 536 "D" St.,
Fresno.Architect—None.
Contractor—Wm. Kerner, 440 "E" St.,
Fresno. COST, \$3000

FRAME DWELLING

LOTS 24 AND 25 BLK 18, North Park,
Fresno. Frame dwelling.Owner—Frank Truax, 148 Fresno
Ave., Fresno.Architect—None.
Contractor—Shorb & Neads, 127 Fresno
Ave., Fresno. COST, \$5000

ADDITION

SANTA FE RESERVATION & VEN-
tura St., Fresno. Addition to shed.Owner—M. Kellner & Son, Premises.
Architect—None.Contractor—F. J. Stone, Mason Bldg.,
Fresno. COST, \$2500

ADDITION

LOTS 14, 15 AND 16 BLK 64, Fresno.
Addition of 2nd story to building.Owner—T. C. White, 1311 "I" St.,
Fresno.Architect—None.
Contractor—Trewwhitt & Shields,
Rowell Bldg., Fresno. COST, \$4150

COMPLETION NOTICES.

Fresno County.

Recorded Acceptor
Sept. 16, 1919—S 30 FT LOT 3 N 19
ft. Lot 4, Elmhurst. Vesta L Mil-
lar to whom it may concern.....
.....Aug. 19, 1919
Sept. 16, 1919—LOT 9 BLK 1 and
part Lots 1, 2 Blk 2, Wilson North
Fresno Tract, Fresno. W A Mos-
grove, Jr. and Frank Pettey to.

whom it may concern, Sept. 12, '19
Sept. 16, 1919--LOTS 8 AND 9 In-
gersoll Tract, Fresno. Wm E
Sims to whom it may concern.....
Sept. 8, 1919
Sept. 10, 1919--LOT 50 E 20 feet Lot
51, Blk 15, North Park Terrace,
Fresno. J D Shorb to whom it
may concernSept. 6, 1919

BUILDING CONTRACTS.**San Mateo County.**

FRAME DWELLING
EL CERRITO AVE. Hillsborough. Ex-
cavating, grading, concrete, brick,
tile, metal, mill and carpenter work,
lumber, plastering, glazing and
hardware for frame dwelling.
Owner--D. E. McLaughlin, San Fran-
cisco.
Architect--Howard & White, 35 Mont-
gomery St., San Francisco.
Contractor--C. C. Cavanagh, San Ma-
teo, Cal.
Filed Sept. 15, '19. Dated Sept. 11, '19.
2nd story joist in place.....\$4102.50
Roof on & exterior boarded 4102.50
Plastering completed 4102.50
Completed and accepted..... 4102.50
Usual 35 days..... 5470.00
TOTAL COST, \$21,880.00
Bond, none. Limit, 100 working days
from filing. Forfeit, none. Plans and
specifications filed.

ALTERATIONS

S-FIRST ST., San Jose. Balcony and
alterations.
Owner--F. W. Gross & Son, Premises.
Architect--None.
Contractor--E. L. Wolfe, Coe Ave.,
San Jose. COST, \$975

COMPLETION NOTICES.**San Mateo County.**

Recorded Accepted
Sept. 15, 1919--COR. CHERRY AND
Chestnut Sts. Lots 1, 21 and 3 Blk
34, San Carlos. Thomas Florman
to whom it may concern. Sept. 8, '19
Sept. 15, 1919--S CYPRESS AVE 65
W Sycamore, San Carlos. D E
Schoolay et ux to G B Hollenbeck
.....Sept. 8, 1919
Sept. 15, 1919--NW 100 ft. Lots 15,
16 and 17 Blk 26, San Carlos. L C
Zook to G B Hollenbeck.....
.....Sept. 8, 1919

BUILDING CONTRACTS.**Santa Clara County.**

ADDITIONS
NO. 1009 S-FIFTH ST., San Jose. Add
to factory.
Owner--Pacific Coast Pottery & Terra
Cotta Co., Premises.
Architect--None.
Contractor--Morrison Bros., Santa
Clara. COST, \$5000

ALTERATIONS

NO. 171 S-MARKET ST., San Jose.
Alterations.
Owner--J. McKiernan, Premises.
Architect--None.
Contractor--W. J. Moore, San Jose.
COST, \$850

COTTAGE

NO. 917 S-TENTH ST., San Jose. Cot-
tage.
Owner--F. A. Martin, 907 S-Tenth St.,
San Jose.
Architect--None.
Day's work. COST, \$1500

BUILDING CONTRACTS.**San Joaquin County.**

DWELLING
ANDERSON ST., bet. Center and, El
Dorado Sts., Stockton. Frame dwg.
Owner--Wm. Drew, 1024 S-El Dorado
St., Stockton.
Architect--None.
Day's work. COST, \$2730

DWELLING
NORTHERN ADDITION, Stockton.
Frame dwelling and garage.
Owner--Edward Bettinis, Stockton.
Architect--None.
Day's work. COST, \$3800

REPAIR SHOP

MINER AND SAN JOAQUIN STS.,
Stockton. Auto top repair shop.
Owner--W. M. Edwards, 129 E-Miner
St., Stockton.
Architect--None.
Day's work. COST, \$18,000

DWELLINGS

STOCKTON AND VINE STS., Stock-
ton. Two frame dwellings and ga-
rages.
Owner--J. S. Reed, 1440 N-Baker St.,
Stockton.
Architect--None.
Day's work. COST, \$2900 each

FRAME DWELLING.

SUNSET ADDITION, Stockton. Frame
dwelling and garage.
Owner--C. Olsen, 5 Mile House, Lower
Sacramento Rd., Stockton.
Architect--None.
Day's work. COST, \$2300

DWELLING

CHURCH ST., bet. Commerce and
Center Sts., Stockton. Frame dwelling
and garage.
Owner--A. De Paull, Stockton.
Architect--None.
Day's work. COST, \$3650

ALTERATIONS

MAIN ST. bet. California and Ameri-
can Sts., Stockton. Remodel restau-
rant.
Owner--Meade Co., 34 N-El Dorado
St., Stockton.
Architect--None.
Day's work. COST, \$2000

COMPLETION NOTICES.**San Joaquin County.**

Recorded Accepted
Sept. 12, 1919--LOTTIE GRUNSKY
School, Stockton. Board of Edu-
cation of City of Stockton to Carl
Hokholt.....Sept. 10, 1919

BUILDING CONTRACTS.**Sacramento County.**

SW ¼ Sec. 15 T 9 R 4, Sacramento.
SCHOOL
One-story frame school.
Owner--Trustees Jefferson School
District.
Architect--None.
Contractor--G. B. Stahl, San Francis-
co Blvd., Sacramento.
Filed Sept. 10, '19. Dated Aug. 29, '19.
COST, \$4685

FRAME RESIDENCE

NO. 4139 FOURTH AVE., Sacramento.
Frame residence.
Owner--W. B. Phillips, Premises.
Architect--None.
Day's work. COST, \$2000

BUILDING CONTRACTS.**Sacramento County.**

GARAGE
NATOMAS, Sacramento. Concrete,
private garage.
Owner--John Sing.
Architect--None.
Contractor--A. W. Norris, 2012 "G"
St., Sacramento. COST, \$4100

ALTERATIONS

NO. 3563 FIFTH AVE., Sacramento.
Remodel flat.
Owner--R. S. Galyord, Premises.
Architect--None.
Day's work. COST, \$1200

GARAGE

NO. 5180 EIGHTH ST., Sacramento.
Garage.
Owner--A. M. Gaskill.
Architect--None.
Contractor--A. W. Norris, 2012 "G"
St., Sacramento. COST, \$3100

ALTERATIONS

NO. 607 "K" ST., Sacramento. Remodel
salesrooms.
Owner--Kimball-Uphon, Premises.
Architect--None.
Contractor--K. W. Murrell, Ochsner
Bldg., Sacramento. COST, \$10,000

Recorded Accepted
Aug. 29, 1919--S ½ of N ½ LOT 5,
U V 29th and 30th Sts. Sacramen-
to. W B Morse to whom it may
concernAug. 22, 1919

GARAGE

NO. 1426 "H" ST., Sacramento. Garage
Owner--Miss Achzig, Premises.
Architect--None.
Contractor--H. H. Achzig, Premises.
COST, \$1000

**BOND ISSUES PLANNED FOR
NORTHERN CALIFORNIA.**

Four northern California counties
are planning bond issues for good
roads, according to Ben Blow, man-
ager of the good roads bureau of the
California State Automobile Associa-
tion. They are Marin, Colusa, Butte
and Humboldt counties.

In addition to handling the suc-
cessful campaign for the state forty-
million-dollar good roads issue in
northern California, the automobile
association has co-operated in eight
county campaigns, all of which car-
ried by a substantial majority.

Manager Blow of the good roads
bureau assisted in Merced's campaign
for a bond issue of \$1,250,000.
Fresno's campaign for an issue of
\$1,800,000, Sonoma for \$1,640,000.
Napa, \$500,000, Santa Cruz, \$240,000.
Contra Costa, \$2,600,000, Solano, \$1,
000,000, and Sutter \$810,000.

WORLD, BUILDING MOVE UNDER WAY.

Stone & Webster Booked \$20,000,000 of Contracts in Recent Months—Many Projects Developing.

NEW YORK.—Contracts for new construction at the rate of nearly \$1,000,000 a week or for an aggregate of about \$20,000,000 have been taken by Stone & Webster since April 1.

In addition, the firm has an interest in other new construction contracts aggregating upwards of \$10,000,000, and has been asked to investigate and submit proposals on projects fast taking form that will call for expenditure of \$25,000,000 or more. New business is steadily developing.

These contracts for construction actually placed or being considered effect the large amount of public utility, industrial and other development that is being undertaken in the United States, Canada and foreign countries. American money, manufactured products and man-power will be required to carry through the enterprises.

"Business interests are preparing for a large domestic and foreign trade," says George O. Muhfeld, in general charge of Stone & Webster's construction and engineering business. "Business men the world over are becoming more and more confident that an era of unusual trade activity is opening; they are backing their judgment in his respect with investments that will enable them to help it along and to share in the ensuing prosperity."

INCREASE IN COST OF LIVING IN CERTAIN COUNTRIES.

Consul General David F. Wilber, Genoa, Italy, July 31, 1919.)

In a recent issue of the Paris edition of the Daily Mail, the following figures are quoted from a report made by the Statistical Bureau of Berne, Switzerland, which represents the increase over pre-war prices in certain countries: Italy, 431 per cent; France, 368 per cent; Switzerland, 257 per cent; England, 240 per cent; and the United States, 220 per cent.

THE LUMBER INDUSTRY IN THE PHILIPPINES.

(Compiled by the Far Eastern Division from information furnished by the Director of Forestry of the Philippines.)

The increasing demand for lumber in the Philippines has caused a number of new lumber companies to be formed, and some of the existing mills (ranging in capacity from 1,000 to 70,000 board feet a day) are planning extensions to their plants.

The output of the ten largest mills rose from 35,000,000 board feet in 1916 to 50,000,000 in 1917, and 60,000,000 in 1918, while the sales for 1919 were 5,790,000 board feet more than the corresponding period in 1918.

Some of the highest grades of certain woods are finding use in the United States and other countries for furniture interior finish, and aeroplane propellers.

Owing to the shortage of tonnage most of the output was consumed locally, but the Chinese markets, which have been short of lumber are buying, so that more capital is being attracted into the industry, and there is

a demand for logging and sawmill machinery, accessories and supplies.

If copies of catalogs, bulletins, and price lists are sent to the Director of Forestry of the Philippines at Manila, they will be brought to the attention of those interested.

SAN JOSE CONTRACTOR FAVORS NEW SYSTEM FOR LETTING CONTRACTS.

The San Jose News in its issue of September 16th contains the following article:

"San Jose should do what San Francisco has done in the matter of letting contracts for new buildings," declares Frank Somers today, who is a large electrical contractor as well as president of the merchants association. "San Francisco contracts are going to be opened in public hereafter and some of the profit which has been derived from subletting contracts I might call it graft—is going to be dispensed with. By doing this San Francisco will reduce the high cost of building to what it ought to be."

"There is no use talking, San Jose has got its building rates too high, and as a result, the contractors are coming here and taking work that should be done by local men. I can name two big jobs that have been secured by outside contractors because the local estimates were from 20 to 30 per cent higher than outsiders."

"This should not be. All bids should be open and above board. Contractors no matter whether they belong to the association or not should be permitted to bid on contracts. The field should be an open one. Competition should be unlimited. This way the high cost of building would be reduced to a minimum."

ACTIVITIES OF THE AMERICAN CHAMBER OF COMMERCE OF MEXICO.

(Vice Consul Chas. H. Cunningham, Mexico City, Aug. 9, 1919.)

The American Chamber of Commerce of Mexico, which was organized toward the close of the war by American business men of Mexico City, and began its work of developing trade between the United States and Mexico, has lately moved into larger rooms in the downtown center of Mexico City, and is becoming the headquarters of American business interests in Mexico.

The chamber, which began its work with 65 members has now 203 members in Mexico and 177 in the United States, the list representing many of the largest concerns in both countries buying and selling in Mexico. Most of the members are American manufacturers and their agents. The principal lines included in the membership are steel and iron, banks, locomotive and car builders and railway supplies, machinery of all kinds (principally mining, oil, sugar, and electrical), shoes and shoe findings, dry goods and kindred lines, agricultural implements, heavy and light hardware, lumber, millinery, coffee, chewing gum, candy, candies, and exporters and importers handling everything made in the United States and produced in Mexico.

The chamber prints a monthly journal, full of interesting trade news about Mexico, 24 pages, and uses very freely the Commerce Reports, and has

sides has many articles prepared by its own members, and obtained from the departments of the Mexican Government, which contain statistics and trade information from the States of Mexico.

The Chamber not only watches over American business interests in general, but it gives a direct service to its members of information in confidential advice, informing them about conditions in the States of Mexico and the buying power of the people, suggesting good representation for them and telling them where to buy Mexican products.

The chamber has begun the preparation of a buyers' and sellers' guide of Mexico, and has much of the material for that in shape already that it is furnishing its members, upon request, with lists of merchants who are in the market for certain kinds of American products, and producers who can furnish Mexican products in the United States.

Architect E. C. Hemmings, 1203 "F" street, Sacramento, is preparing plans for a twelve-story and basement steel and concrete store building to be erected for the John Breuner Company in that city at cost of \$750,000. The building will be erected at Sixth and "K" streets.

Bids received by Architect J. J. Coffey, Humboldt Bank Bldg., for the proposed Class "A" addition to the St. Francis Hospital building at Bush and Hyde streets have been taken under advisement. The following is a list of the low bids received: General Contract, including carpentry, mill work, roofing, hardware and glass, P. F. Peilly, \$74,800; Concrete work, Branch & Coffey, \$86,408; Plastering, J. Greenback, \$44,313; and grading, A. J. Reeder, \$10,990.

Architect Chester Cole, Waterlund-Breslau Bldg., Chicago, has awarded a contract to McDaniel & Birroughs, Marysville, for the erection of a two-story and basement frame and plaster residence at Yuba City for Carl Schnabel. The building will cost \$14,000.

Architect Cole is completing plans for a two-story and basement frame dwelling to be erected in Chico for R. F. Urzuhart, the structure to cost \$4,500.

Architect C. W. McCall, Central Bk. Bldg., Oakland, will shortly take figures for a two-story frame residence to be erected in Piedmont Highlands, Alameda County, at a cost of \$12,000. The building will contain twelve rooms.

Architect H. H. Meyers, Kohl Bldg., has completed plans and bids will be received up to October 7th for the addition to be erected to the Washington school building in Berkeley. The addition will be two stories in height and of brick construction.

From plans prepared by Architect Meyers the contract for the extensive alterations to the two-story frame Alameda County Hospital building has been awarded to W. M. Maurer of Oakland at \$53,000.

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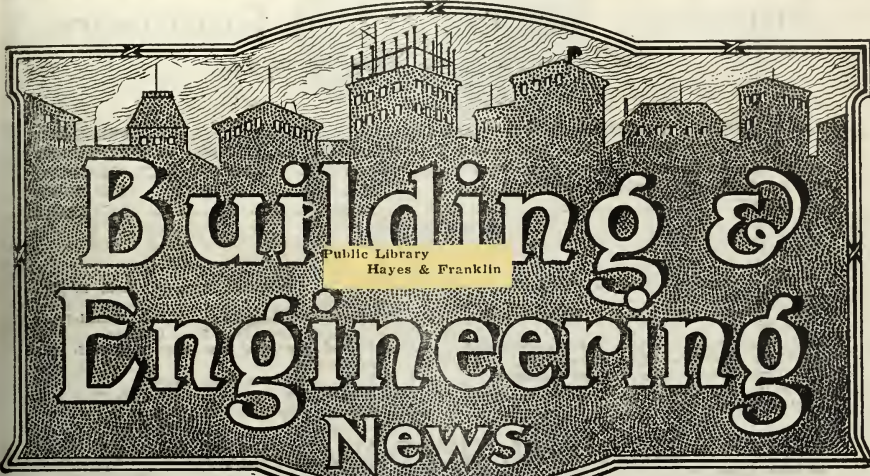
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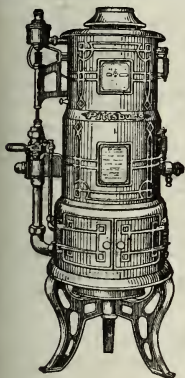
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J. P. FARRELL.....Exchange Editor

American Association of Engineers

NEWS FROM NATIONAL HEAD-QUARTERS.

The executive committee of the American Association of Engineers has rendered a decision that the constitution of the Association does not prohibit the admission of architects, and announces that the applications of architects will be considered hereafter as in the same status as applications from engineers. Those architects who have previously applied for membership and whose applications could not be accepted on account of the apparent exclusion of architects by the constitution, may now re-enter their applications for membership.

The American Association of Engineers announces the appointment of the following chairmen of national committees for the ensuing year:
Americanization—Garrison Babcock, consulting telephone engineer, Chicago.

Education — Professor Frederick Bass, of the University of Minnesota, Minneapolis.

Ethics—Isham Randolph, consulting engineer of Chicago.

Finance—Glen Vivian, Accounting Department, Bureau of Statistics, Chicago, Milwaukee and St. Paul Ry., Chicago.

Highway—R. C. Yeoman, chief engineer, Indiana Sand and Gravel Association, Indianapolis.

Legislation—W. H. Whipple, chief engineer, Line Association, Washington, D. C.

Membership—R. W. Barnes, principal assistant engineer, Southern Pacific Ry., Portland, Oregon.

Municipal Engineering—S. C. Had-den, editor of Municipal and County Engineering, Chicago.

Practice—H. W. Clausen, general office manager, C. D. Osborne Company, Chicago.

Program—L. Winship, assistant engineer Missouri Pacific Ry. Company, St. Louis, Mo.

Public Relations—L. K. Sherman, president of the United States Housing Corporation, Washington, D. C.

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Qualifications—A. C. Irwin, engineer Structural Bureau, Portland Cement Association, Chicago.

Salaries of Engineers in Public Service—A. N. Johnson, consulting highway engineer, Portland Cement Association, Chicago.

HIGHER PAY FOR ENGINEERS ASKED.

Schedule of National Association Is Used as Basis for Changes.

In sponsoring a movement to secure adequate pay for all classes of men in the public service of the city, county, port and state, the Associated Engineering Societies of Seattle have presented the city council with a schedule of proposed salaries for city employees in engineering service represented by grades 7, 6, 5 and 4. Class A, and recommends the following schedule:

Grade 7, \$400 to \$625 per month.
Grade 6, \$350 to \$600 per month.
Grade 5, \$325 to \$550 per month.
Grade 4, \$250 to \$300 per month.

The following schedule of salaries has been adopted by the American Association of Engineers:

City Engineer, annual work, \$5,000 to \$15,000.

City Engineer, annual work, \$2500 to \$10,000.

City Engineer, annual work, \$1000 to \$7,500.

City Engineer, annual work, \$500 to \$5,000.

Department Engineer, \$7,500.

Division Engineer, \$7,500.

Assistant Engineer, \$3,600.

Instrument man (preferably technical graduate), \$2,400.

Rodman (high school, 2nd grade), \$1,500.

Inspector, \$1,800.

Architect, \$5,000.

Designing Engineer (technical graduate, 10 years' experience), \$6,000.

Designer (technical graduate, 5 years' experience), \$4,000.

Detailer (technical graduate preferable), \$3,000.

Tracer (technical high school), \$1,800.

Draftsman, architectural, \$3,000.

Draftsman, map or topographic, \$2,400.

Draftsman, structural, \$2,400.—Portland Record-Abstract.

WASTING PUBLIC FUNDS ON POOR PAVING.

By Cedric B. Smith.

A few years ago one of the smaller cities in Missouri engaged a civil engineer to design and construct about a mile of pavement. This city had laid a short stretch of brick paving two years before which had given excellent service during the time it had

been in use. When the new engineer arrived on the job the city council instructed him to draw up specifications for the new paving which was to be laid. This engineer was a man of experience in city work, and one who was well acquainted with the types of paving most suitable to the climate and traffic conditions of that part of the country. He decided that the brick pavement which had been laid two years before should be used in the new work, and prepared specifications for the job.

When the specifications were completed the council held a special meeting to approve them and authorize the engineer to proceed. They were well drawn and complete. They called for brick paving on a concrete base, or foundation. The council was interested and the members appeared to be satisfied until they finally grasped that the concrete base was to be six inches thick. At this point the expressions on their faces showed that their faith in the engineer had been shattered. When the previous paving had been laid the base had been constructed three inches thick—not on the advice of an engineer but simply because the president of the council, who was superintendent of the water works and chief of the police force of three, thought that three inches was plenty thick enough—and here was an engineer who proposed to waste a three-inch depth of concrete. The council ordered the plans to be revised for a base half as thick. The engineer protested that the paving would not stand up unless such a base were provided, but without avail. The councilmen were obdurate—they didn't propose to have any college-bred engineer tell them how to run the city. They requested his resignation. It was forthcoming at once and accepted without argument. The council revised his specifications to provide for the three-inch base, and let a contract for the construction of the paving.

The paving was laid by a reputable contractor who did a good job. When the work was finally completed the city council congratulated itself on having saved the tax payers some money. The following year the paving which had been laid three years before was uneven and showed signs of cracking. Two years later this paving had deteriorated so much that it was necessary to remove the brick and replace the original three-inch concrete base which had become cracked

and useless with a heavier base. A couple of years later the same thing had to be done with the second stretch of paving. The cost of making these changes amounted to almost as much as the original cost.

Here is an instance of the tax payers' money being wasted because expert engineering advice was not followed. An inexperienced administrative body, even though its intentions were of the best, had considered its qualifications sufficient to justify it in disregarding the opinion of an experienced engineer, and had thereby increased the cost of a public improvement by about eighty per cent.

This means of saving (?) public funds is not unusual. There are many instances where money appropriated for construction of works for use of a community has been expended just as uselessly. In the construction of paving this waste of funds has been notorious. Sometimes this result has been due to actual dishonesty of city officials or of contractors who obtained contracts through political rather than through usual business means. In many cities the right of a property owner to specify the kind of paving he wishes laid in front of his property often causes the selection of the wrong type of paving.

The property owner, particularly in residential districts, is sometimes not concerned with the adequacy of the

paving which is to be laid on the street on which his property abuts. He often feels that the smallest expense necessary is the maximum amount which should be spent, since the street will not probably be used by himself and his neighbors half as much as by other traffic. For this reason he is not in the best frame of mind to determine the kind of paving which will be most economical and which is best suited to local conditions. He is sometimes influenced by representatives of manufacturers of paving materials, and the result is that the paving is not always adequate for the kind and amount of traffic and the climate. The city engineer should be charged with determination of the character of paving and his recommendations should be followed.

If a man has a job to do which he is not qualified to perform himself he will, if he is determined to obtain the best results, obtain expert advice as to the conduct of his operations, or if necessary engage someone to perform the duties with which he is unfamiliar. City officials are not always competent to direct engineering activities. If they are not they will obtain the best results by obtaining and following expert engineering advice. This procedure is becoming more and more usual every day. Until it is universal, money contributed by tax payers for the construction of public works will continue to be wasted.

BOULEVARD EXPANDS, CAPSIZING AUTO.

SELBYVILLE, Del.—The most peculiar automobile accident ever known in this section happened recently. When an automobile driven by Lemuel Evans of Dagsboro was caught on the duPont cement boulevard near Selbyville just at a moment when the concrete suddenly expanded.

The expansion took place from one side of the road to the other and was about five yards long, pushing the concrete up in the middle at least four feet high and overturning the automobile. Evans could not understand what had happened. As he was driving along, the front of his car suddenly rose in the air and the car settled over on its side.

The break is the biggest ever seen on the road and experts who viewed it from the State Road Commission declare that no such rise has ever been known to have taken place so suddenly. It will cost over \$500 to repair the place torn up by its own pressure. —Wilmington (Del.) Journal.

Engineers Baker, Carpenter & Waters, 58 Sutter street, have awarded a contract to McLeran & Peterson, Sharon Bldg., for the construction of cattle stalls, grand stand, etc., for the International Live Stock Show at the California Building, Exposition Grounds. Contract price \$11,500.

San Francisco, September 22, 1919.

Mr. George M. Nelson, C. E.
Consulting Engineer,
403 Wells-Fargo Express Building,
San Francisco, California.

Dear Sir: In reply to your letter of September 18, requesting information in regard to the salaries paid to engineers in the Department of Safety of the Industrial Accident Commission:

Attached you will find a list showing the salaries paid the various engineers and inspectors at the present time. A close analysis of the list will show certain discrepancies. There are a few variations which perhaps are not entirely justifiable from the standpoint of the classes of work performed, but these have grown up with the Department and it will doubtless take some time to secure complete standardization.

I am very favorably inclined toward the work which you are doing, and if there is additional information which you desire, an effort will be made to supply it promptly on request.

Yours very truly,

H. M. WOLFLIN,
Superintendent of Safety.

Salaries, Department of Safety, Industrial Accident Commission of the State of California.

Appointive Positions.

1 Superintendent of Safety	\$5000
State Civil Service Positions.	
1 Assistant Superintendent of Safety	3150
1 Chief Mine Inspector	3150
2 Deputy Mine Inspectors	3000
1 Chief Boiler Inspector	3000
1 Boiler Inspector	2400
2 Boiler Inspectors	2100
2 Boiler Inspectors	1980
1 Electrical Engineer	3000
1 Electrical Inspector	2100
1 Electrical Inspector	1980
1 Construction Engineer	3000
1 Safety Engineer	3000
1 Chief Elevator Inspector	2700
1 Elevator Inspector	2100
3 Elevator Inspectors	1980
2 Elevator Inspectors	1800
1 Mechanical Engineer (Entrance Salary)	2100
(Maximum Salary, \$3,000.00)	

San Francisco, Calif.,
September 8th, 1919,
727 Wells-Fargo Bldg.

American Association of Engineers,
San Francisco, Calif.

Subject:

Recommended Salaries of Engineers Employed by the Interstate Commerce Commission, Bureau of Valuation to Conform to A. A. E. Schedule.

Gentlemen: We, the undersigned, members and prospective members of the American Association of Engineers, all employees of the United States Government, respectfully submit the attached information and schedule of present and proposed salaries for the Association's use.

It is desired that the Local Chapter approve the attached schedule, and recommend that the National Headquarters take necessary action.

Yours for co-operation,
(Originally signed) C. A. NORDEN,
Secretary.

(Signed)

J. H. Lane, A. S. C. E.	G. T. Morris
J. P. Sumney	H. C. Miller
H. F. Lindacher	P. E. Dufour (No. 6009)
C. B. Rush	D. E. Jackson
(number not assigned)	W. A. Robinson
D. D. Sprague	C. P. Clow
C. S. Crockett	C. A. Norden (No. 6721)
B. Jameyson	Dean Wilson
P. M. Kyte	H. R. Trevor
R. R. Smith	L. R. Maag
R. C. Farmer	F. C. Cross
M. H. Wright	H. L. Marisette
Allingsworth Wilson	C. A. Templeton
(No. 7431)	J. F. Jeffrey
James Adkins, Jr.	W. R. Densmore
R. E. Heine	C. M. Kast
F. L. A. Golinski	(Mem. Am. Soc. C. E.)
B. W. Booker	H. J. Saunders
(number not assigned)	(Mem. Am. Soc. C. E.)
J. R. Arnold	F. W. Herron
John E. Norton (No. 5090)	F. Demhirst
N. S. McNamara (No. 6011)	Chas. A. Hall (A. S. M. E.)
P. R. Tiegust	

In connection with certain increases in salaries of

technical men employed by railroads and other large corporations, it seems pertinent to call attention to the marked discrepancy in salaries paid the Government Engineers, who are now engaged in the valuation of the railroads, when compared to the salaries paid the railroad men performing similar duties.

In 1913, the Interstate Commerce Commission was directed by Congress to make a valuation of the property of the common carriers of the United States, and in order to properly carry out this law, a Division of Valuation was organized.

The Civil Service Commission offered examinations fixing minimum and maximum salaries for various positions. When eligibles were secured in response to the examinations, the Interstate Commerce Commission created positions carrying salaries which usually were those of the minimum as specified in the Civil Service examinations.

This schedule of salaries fixed in 1913 and 1914 has not been increased up to the present date, except as certain salaries have been affected by the \$10 and \$20 bonuses granted to all Government employees. Old employees, of course, have been promoted to higher positions as fast as vacancies occurred, but the schedule itself has remained unchanged except in one or two instances.

It would, therefore, appear that 600 or more technical men engaged in this work, many of them enthusiastic members of the American Association of Engineers, should receive the assistance of this Association in persuading the Director of Valuation to recommend the various increases in salaries as outlined herewith.

Many of the men to be benefitted by this increase have been in this service during the entire five years the work has been in progress, and all are loyal and efficient employees.

They are, however, beginning to feel a state of unrest, due to the fact that they are working in co-operation with railroad engineers, whose duties and responsibilities are no greater than theirs, but whose salaries are in many cases some 20 to 50 per cent higher.

Here is a chance for your good work.

Schedule Showing Present Salaries and Recommended Salaries for Technical Employees of Interstate Commerce Commission Bureau of Valuation.

	Present Salary.	Recommended Minimum Salaries depending on importance of duties.
	Per annum	Per annum
Member of Engineering Board in Charge of One Valuation District	\$7500	\$9000
District Engineer in charge under general direction of M. E. B.	5400	6500
Assistant District Engineer similar duties to Dist. Eng. to whom he reports	4500	5400
Senior Tel. & Tel. Engr. in charge of valuation of T. & T. properties	3900	4800
Senior Structural Engineer in charge of valuation of structures and buildings	3900	4800
Senior Mechanical Engineer in charge of valuation of Mechanical Prop.	3900	4800
Senior Electrical Engineer in charge of valuation of Electrical property	3900	\$4000—4800
Senior Signal Engineer in charge of valuation of Signal property	*\$2640—3900	4000—4800
Senior Architect in charge of valuation of buildings	3900	4000—4800
Senior Civil Engineer in charge of several survey parties—Roadway branch—or Supervising Engineer on final report work	3000—3900	4000—4800

Senior Civil Engineer—Office Engineer, Roadway Branch	*2740	3600
Senior Civil Engineer—Cost Engineer, Roadway Branch	*2640—2740	3000—3300
Senior Civil Engineer in charge of roadway Field Party	*2640	3000
Senior Structural Engineer in charge of Field Party..	*2340—*2640	2700—3300
Senior Structural Engineer in charge of office work and pricing	*2340—*2740	2700—3300
Senior Mechanical Engineer in charge of field party	*2340—*2640	2700—3000
Senior Mechanical Engineer in charge of office work and pricing	*2340—*2740	2700—3300
Senior Tel. & Tel. Engineer in charge of field or office	*2040—*2640	2580—3000
Senior Civil Engineer—Draftsman	*2040—*2340	2580—2700
Senior Civil Engineer—Head Office or Pricing Computer	*2040	2580
Junior Civil Engineer—Recorder on Field Party..	*1920	2400
Junior Civil Engineer—Instrumentman on Surveys	*1560	2100
Junior Civil Engineer—Office Computer	*1440—1920	1800—2400
Junior Structural Engineer—Recorder or Assistant to Senior Struct. Engr. in field or office	*1740—*2040	2100—2400
Junior Structural Engineer—Office Computer	*1440—*1920	1800—2400
Junior Architect	*1440—*1920	1800—2400
Junior Mechanical Engineer—Assistant to Senior Mechanical Engr. in field or office work	*1740—*2040	2100—2400
Junior Mechanical Engineer—Office Computer ..	*1440—*1920	1800—2400
Junior Electrical Engineer—Asst. in field or office..	*1740—*2040	2100—2400
Junior Tel. & Tel. Engineer—Asst. in field or office	*1740—*2040	2100—2400

*Includes \$240.00 bonus granted by Congress for the fiscal year ending June 30th, 1920.

San Francisco, Calif., Sept. 20, 1919.

American Association of Engineers,
63 East Adams Street,
Chicago, Illinois.

Gentlemen: For your information, I am enclosing copy of letter together with proposed schedule compiled by local engineers employed by the Interstate Commerce Commission covering increased compensation.

At a meeting held September 15th, it was unanimously voted by the San Francisco Chapter that they approve the Interstate Commerce Commission letter of September 8th, 1919, in principle and ask National Headquarters that they signify their willingness to take the matter up with the Director of Valuation. Further that the Chapter urges action on this matter by the other Chapters and Clubs situated in cities where other Interstate Commerce Commission District Headquarters are located, and that a schedule be made by the local compensation committee who will in due course report their findings to the National Compensation Committee.

Will you kindly take such action as is best to most effectively secure the desired increased compensation for this important class of engineers.

Very truly yours,
ALBERT G. MOTT, Secretary.

ADVANCE NEWS

Official Proposals, Etc.

BUILDING.

APARTMENT HOUSES

Plans Prepared.

APARTMENTS, ETC. Cost, \$—
MODESTO, Stanislaus Co., Cal. Ninth
Street bet. "J" and "K" Sts.
Three-story and basement brick gar-
rage and apartments, 87x100.
Owner—Bagby & Mott, 1010 9th St.,
Modesto, Cal.
Architect—Not Given.

Segregated Figures Being Taken.

APARTMENTS Cost, \$55,000
SAN FRANCISCO. NE Stockton and
Emma Streets.
Five-story and basement brick apart-
ments (16 3 and 4 room apts).
Owner—H. H. Helbush, 75 Sutter
St., San Francisco.
Architect—E. E. Young, 251 Kearny
St., San Francisco.

Plans to be Prepared.

APARTMENTS Cost, \$—
NAPA, Napa Co., Cal. Third and
Randolph Streets.
Frame apartment house.
Owner—Russ Conner and wife, Napa.
Architect—Not Yet Selected.

Segregated Figures Being Taken.

APARTMENT HOUSE Cost, \$110,000
SAN FRANCISCO. SE Ellis and Polk
Streets.
Six-story Class "C" reinforced concrete
apartment house, 35 2-room apts.
Owner—Thos. and Philip Bannan.
Architect—C. O. Clausen, Hearst Bldg.,
San Francisco.

Contract Awarded. Sub-Figures Being
Taken.

APARTMENTS Cost, \$—
SAN FRANCISCO. SW Fifteenth Ave.
and Geary Street.

Two three-story frame apartment
houses, 100x142; 24 3 and 4 room
apts. (Colonial style with garage
court between the buildings,
fountain pool, ec. Basement gar-
rages.

Owner—Benj. Schloss.

Architect—August Headman, Call
Bldg., San Francisco.

Concrete work to American Concrete
Co., Humboldt Bank Bldg.

Carpenter, and mill work to Andrew
Nelson, 467 Turk Street.

Roofing to Thos. Price, Monadnock
Building.

Painting to R. Zelinsky, 1512 Cal-
ifornia Street.

Plumbing to G. N. Zaro, 3150 Turk St.
Electric work to Turner Co., 272 Te-
hama Street.

Tiling to Mangrum & Otter, 827 Mis-
sion Street.

Brick work to Emil Hogberg, 180
Jessie Street.

Ornamental iron work to The Folsom
Street Iron Works, 18th and
Folsom Street.

Star building to A. O. Wagner, 2216
Folsom Street.

Murble to Joseph Musto Sons-Keenan
Co., 535 North Point St.

Sheet metal work to Frank Davidson
142 Herman Street.

Plastering to W. Williams, 110 Jessie.

Figures being taken for hardware,
glass, hardwood floors and electrical
fixtures.

BANKS

Plans Being Prepared.

ALTERATIONS Cost, \$—
MODESTO, Stanislaus Co., Cal. SE
Tenth and "I" Streets.
General alterations and extensions for
banking quarters.
Owner—The Modesto Bank, D. K.
Young, Cashier, Premises.
Architects—H. H. Winner Co., Hum-
boldt Bank Bldg., San Francisco.

Preliminary Plans Prepared.

BANK BUILDING Cost, \$75,000
HEALDSBURG, Sonoma Co., Cal.
One-story brick and terra cotta bank
building.
Owner—Healdsburg National Bank.
Architect—Fred'k. H. Meyer, Bankers'
Invst. Bldg., San Francisco.

Ready For Figures End of This Week

BANK BLDG. Cost, \$25,000
KELSEYVILLE, Lake Co., Cal.
One-story reinforced concrete bank
building (branch bank).
Owner—Farmers Bank of Lakeport.
Architect—Norman R. Coulter, 46
Kearny St., San Francisco.

Contract Awarded.

BANK AND OFFICES Cost, \$35,000
OROVILLE, Washington.
Two-story and basement brick bank
and office building, 72x34.
Owner—Bank of Oroville.
Architect—V. W. Voorhies, Eitel Bldg.,
Seattle, Wash.
Contractor—Hurley Mason Co., Low-
man Bldg., Seattle, Wash.

CHURCHES

Plans Being Completed.

REMODEL CHURCH Cost, \$45,000
WALLA WALLA, Wash.
Remodel church building.
Owner—St. Patrick's Church.
Architects—Beezer Bros., Seaboard
Bldg., Seattle, Wash.

Work will consist of new windows,
terrazzo and tile work, ornamental
plaster, new altar, fixtures, etc.

Sketches Prepared. Funds Yet to be
Raised.

CHURCH Cost, \$50,000
FRESNO, Fresno Co., Cal. Corner
Belmont and College Avenues.
Fireproof church building.

Owner—North Side Christian Church,
Chas. L. Real, Pastor, Fresno.

Architects—Swartz & Swartz, Rowell
Bldg., Fresno.

Contract Awarded on a Percentage
Basis.

CHAPEL, ETC. Cost, \$25,000
approximately.

BERKELEY, Cal. The Alameda and
Los Angeles Avenue.

One-story frame chapel and social
hall (readingrooms, bowling alley
etc.)

Owner—Northbrae Presbyterian
Church, Rev. F. S. Brush, Pastor.

Architect—John H. Thomas, 1st Nat'l
Bank Bldg., Berkeley.

Contractor—H. P. Hoyt, Monadnock
Bldg., San Francisco.

FACTORIES & WAREHOUSES

Plans Being Prepared.

FACTORY Cost, \$—
ALTON, Humboldt Co., Cal.
Frame cheese factory, 32 by 120 with
"T" 32 by 36 feet.
Owner—Grizzly Bluff Creamery Co.,
Alton, Cal.
Architect—Not Yet Selected.

Plans Being Prepared.

LOFTS. Cost, \$60,000
RENO, Nevada.
Four-story brick and terra cotta lofts
and auto sales rooms.
Owner—Sierra Auto Supply Co.
Architect—Geo. C. Sellon & Co., 1005
8th St., Sacramento, Calif.
Two elevators, vacuum and steam
heating systems, oil burning.

Plans Being Prepared.

Plans Being Prepared.
FACTORY & OFFICE. Cost, \$200,000
SACRAMENTO. 12th St. road beyond
city limits.

One and three-story auto and carriage
factory and offices.

Owner—A. & E. Meister.

Architect—E. C. Hemmings, 1203 "J"
St., Sacramento.

Plans Being Prepared.

BOILER ROOM, ETC. Cost, \$—
EUREKA, Humboldt Co., Cal.
Concrete and steel frame boiler room
and fuel house building, 72x208.

Owner—Hammond Lumber Co.

Engineer—H. J. Brunnier, Sharon
Bldg., San Francisco.

Contract Awarded.

WAREHOUSE. Cost, \$72,000
SACRAMENTO, Calif. 21st and "R"
Streets.

Five-story and basement brick and
reinforced concrete warehouse.

Owner—Capitol Sacramento Van &
Storage Co.

Architect—Woollett & Lamb, Physi-
cians' Bldg., Sacramento, Calif.

Contractor—Geo. D. Hudnutt, Inc., Cal-
ifornia Fruit Bldg., Sacramento,
Calif.

Contract Awarded.

ADDITION. Cost, \$26,558
SACRAMENTO, Cal. 14th and "R"
Streets.

One and two-story addition to manu-
facturing plant.

Owner—Perfection Bread Co., 1731
14th St., Sacramento.

Architect—Clarence C. Cuff, Ochsenr
Bldg., Sacramento.

Contractor—Herndon & Finnigan, 1714
16th St., Sacramento.

Contract Awarded.
ALTERATIONS Cost, \$—
SAN FRANCISCO. No. 46 Kearny St.
After 5th floor of building for candy
factory.
Owner—Maskey Estate, Premises.
Architect—Norman R. Coulter, 46
Kearny St., San Francisco.
Contractor—Schultz Constr. Co., 46
Kearny St., San Francisco.

Sketches Prepared.
FACTORY Cost, \$—
WOODLAND, Yolo Co., Cal. Near
Woodland.
Tobacco factory.
Owner—Chiflakis Bros., Esparto, Cal.
Designer—James Chiflakis, Esparto.

Plans Being Prepared.
ADDITION Cost, \$11,000
OAKLAND, Alameda Co., Cal. 18th
Avenue and E-12th Street.
One-story brick addition, 50x114 to
auto paint factory.
Owner—Liberty Auto Co.
Architect—Jas. W. Plachek, 2014 Shat-
tuck Ave., Berkeley.
When plans are complete bids will
be taken by the owner.

Plans Being Figured.
MACHINE SHOP Cost, \$7,500
SAN FRANCISCO. E Sixth Street S of
Bryant.
One-story concrete and frame machine
shop building.
Owner—Withheld.
Architect—Henry C. Smith, Humboldt
Bank Bldg., San Francisco.

Preliminary Sketches Being Prepared.
PACKING PLANT Cost, \$—
NEAR SACRAMENTO, Cal.
Packing plant.
Owner—Withheld.
Architect—F. A. Foale, Ochsner Bldg.,
Sacramento.

Bids Taken Under Advisement.
FACTORY Cost, \$—
SAN FRANCISCO. NE Fifth and Fol-
som Streets.
Two-story brick and reinforced con-
crete factory building.
Owner—Pacific Bag Co.
Architect—S. Helman, 57 Post St., San
Francisco.
W. C. Duncan & Co., Sharon
Bldg. \$12,690
Clinton Constr. Co. 14,077
Alfred Vogt 14,270
J. S. Malloch 14,275
McGowan 15,945
John Spargo 16,196
J. Harold Johnson 16,396

Plans Being Prepared.
FACTORY Cost, \$100,000
RICHMOND, Contra Costa Co., Cal.
Three-story reinforced concrete fac-
tory building, 75x236.
Owner—Withheld.
Architect—Frank S. Holland, 1629 Pol-
som St., San Francisco.

Bids to be Called For Shortly.
EXTENSION OF PIER NO. 27
Cost, \$—
SAN FRANCISCO. San Francisco
Waterfront.
Extension of Pier No. 27 and frame
shed.
Owner—State Harbor Commission.

Engineer—Frank White, Ferry Bldg.,
San Francisco.

Contract Awarded.
CATTLE STALLS. ETC. Cost, \$11,500
SAN FRANCISCO. California Building,
Exposition Grounds.
Cattle stalls, grand stand, etc.
Owner—International Live Stock Show
Architect—Baker, Carpenter & Waters
58 Sutter St., San Francisco.
Contractor—McLeran & Peterson,
Sharon Bldg., San Francisco.

REDWOOD CITY, San Mateo Co.,
Cal.—The Chamber of Commerce is
assisting the Pratt-Low Canning Com-
pany of Santa Clara in locating a site
here on which it plans to erect a new
plant. It is estimated a building cost-
ing \$250,000 will be erected.

FIRE HOUSES AND JAILS

Plans Being Prepared.
DEPOT BLDG. Cost, \$—
MARYSVILLE, Yuba Co., Cal.
One-story brick and stucco depot
building with tile roof.
Owner—Sacramento & Northern Elec-
tric R. R. Co.
Architect—E. C. Hemmings, 1203 "J"
St., Sacramento.

FLATS

Plans Being Prepared.
FRAME FLATS Cost, \$8,000
SACRAMENTO, Cal.
Two-story and basement frame (4)
flats.
Owner—Withheld.
Architect—F. A. Foale, Ochsner Bldg.,
Sacramento.

GARAGES

Plans to be Prepared.
GARAGE Cost, \$—
BENICIA, Solano Co., Cal. First and
West J Streets.
One-story brick garage, 95x135.
Owner—Benicia Garage, Benicia, Cal.
Architect—Not Yet Selected.
Plans will provide for a building
with a foundation capable of carrying
an additional story.

Owners to Take Sub-Figures.
GARAGE BLDG. Cost, \$125,000
SAN FRANCISCO. S Post 103 E Hyde
One-story reinforced concrete garage
building.
Owner—O'Brien-Kiernan Realty Co.,
1756 Mission St., San Francisco.
Architects—Rousseau & Rousseau, 110
Sutter St., San Francisco.

Plans Being Prepared.
GARAGE Cost, \$75,000
FRESNO, Fresno Co., Cal.
Two-story reinforced concrete garage,
150x150.
Owner—K. and Harry Arakelain.
Lessee—Lee S. Dolson, San Francisco.
Architects—Swartz & Swartz, Rowell
Bldg., Fresno.

Plans Being Prepared.
GARAGE Cost, \$22,500
MADERA, Madera Co., Cal.
One-story brick and concrete garage,
100x150.
Owner—Nel Barsotti.
Leased to—C. A. Chamberlain.
Architects—Swartz & Swartz, Rowell
Bldg., Fresno.

Plans Being Prepared.
GARAGE Cost, \$50,000
SACRAMENTO. Sixth and "L" Streets.
Two-story reinforced concrete garage
and shipping depot.
Owner—John Bruener Co., Sacramento.
Architect—E. C. Hemmings, 1203 "J"
St., Sacramento.

Contract Awarded.
AUTO SHOP Cost, \$—
PORTLAND, Ore. Fifteenth and Wash-
ington Streets.
One-story reinforced concrete auto
spring shop, 100x150.
Lessee—Laher Auto Spring Co.
Architect—Emil Schacht, Common-
wealth Bldg., Portland, Ore.
Contractor—Stebbing Bros., Build-
ers' Exchange, Portland, Ore.

Plans Being Prepared.
GARAGE Cost, \$32,000
PORTLAND, Ore. 16th and Gilson Sta.
Two-story reinforced concrete garage
100x100.
Owner—M. A. Mayer.
Architect—Emil Schacht, Common-
wealth Bldg., Portland, Ore.

Segregated Figures Being Taken.
REPAIR SHOP Cost, \$10,000
SAN FRANCISCO. Fulton near Gough
Street.
Two-story reinforced concrete auto re-
pair shop (brick veneer front).
Owner—L. Comstock.
Architect—Walter C. Flach, Hearst
Bldg., San Francisco.

Plans Being Figured.
GARAGE Cost, \$15,000
SAN MATEO Co.,
One-story frame and plaster garage.
Owner—Withheld.
Architect—Chas. E. J. Rogers, Phelan
Bldg., San Francisco.
Bids will be taken for a general
contract.

HALL AND SOCIETY BUILDINGS.

Contract Awarded. Work Started.
LODGE-BUILDING Cost, \$146,000
SPOKANE, Wash. Riverside Avenue.
Two-story and basement concrete
lodge building.
Owner—Elks Lodge of Spokane.
Architect—K. K. Cutter, Spokane.
Contractor—Hurley-Mason Co., Gasco
Bldg., Portland, Ore.

GARDNERVILLE, Nevada.—The
erection of a Masonic Hall building
costing \$25,000 has been decided upon
by the local order of Masons. A two-
story brick structure is planned.

To be Done by Days Work.
GYMNASIUM, ETC. Cost, \$25,000
SAN FRANCISCO. NW Sanchez and
Valley Streets.
Three-story brick and concrete gym-
nasium and school.
Owner—Roman Catholic Archbishop
of San Francisco, 1100 Franklin
St., San Francisco.
Architects—Frank Shea and John
Lofquist, Chronicle Bldg., San
Francisco.

HOSPITALS

Plans Being Prepared.
HOSPITAL Cost, \$100,000
ABERDEEN, Wash.
First unit of 4-story fireproof hospital,
40x108, (200 rooms).

Owner—St. Joseph's Hospital.
Architects—Beezer Bros., Seaboard
Bldg., Seattle, Wash.

Working Drawings Complete.
HOSPITAL Cost, \$50,000

TAFT, Kern Co., Cal.
Fireproof hospital building.

Owner—Committee of Citizens backed
by L. B. Little, Supt. Standard Oil
Co., Taft, Cal.

Architects—Thos. B. Wiseman and Mr.
Bigger, Bakersfield, Cal.

WHITTIER, Los Angeles Co., Cal.—
The city voted to accept the gift of
Mr. and Mrs. Wm. Milhouse of \$50,000
for the construction of a hospital.

Plans Being Prepared.
HOSPITAL Cost, \$20,000
BENICIA, Solano Co., Cal. Benicia
Arsenal.

One-story reinforced concrete Post
Hospital and Dispensary Building.
Owner—United States Government.
Architect—Engineering Dept., Benicia
Arsenal.

Bids will be called for in about a
week or ten days.

Work has been started on the Com-
missary Building for which Robert
Troost is the contractor.

HOTELS

WODLAND, Yolo Co., Cal.—George
Merritt, C. Q. Nelson and A. H. Huston,
are a committee appointed to secure
funds for the erection of the proposed
\$250,000 hotel building planned in this
city. The local banks have agreed to
put \$100,000 into the proposed project
if the balance is raised from outsiders.

AVALON, Los Angeles Co., Cal.—
Boos Bros. of Los Angeles, contem-
plate erecting a six-story hotel build-
ing to cost in excess of \$300,000 on the
site of their cafeteria in Avalon, Cata-
lina Island.

PUBLIC BUILDINGS

Contract Awarded.
ADDITION Cost, \$28,895
RETSIL, Washington.

Fireproof addition to Washington Vet-
erans' Home.

Owner—Ctate of Washington.
Architect—Not Given.

Contractor—Western Construction Co.,
Seattle, Wash.

The heating contract was awarded to
Dugay & Pringle of Seattle for \$2,957;
plumbing to L. L. Lent of Bremerton
for \$3,472, and electric work to the
Standard Electric Co., of Seattle, for
\$1,098.

Sketches Being Prepared. Erection of
Building Depends upon Outcome
of Bond Issue.

AUDITORIUM Cost, \$—
LINCOLN, Placer Co., Cal.
Municipal Auditorium Building.
Owner—Town of Lincoln.
Architect—H. A. Schoeder, Lincoln.

Preliminary Sketches Being Prepared.
MEMORIAL HALL Cost, \$50,000
MONTAGUE, Siskiyou Co., Cal.
Two-story Class "C" Memorial Hall.
Owner—Siskiyou County Memorial
Building Association, Chas. Simon,
President.

Architects—Woollett & Lamb, Phy-
sicians Bldg., Sacramento.

Contract Awarded.
EDUCATIONAL BLDG. Cost, \$83,116
RENO, Nevadad. University Campus.
Two-story fireproof Educational Bldg.
Owner—State of Nevada.
Architect—F. J. De Longchamps, Reno,
Nevada.

Contractor—E. K. Fowler, Reno, Nev.

OROVILLE, Butte Co., Cal.—Bids will
be received by County Clerk C. F.
Belding up to October 10th, 2 P. M.,
for furnishing and installing a boiler
for heating purposes at the Court
House.

SACRAMENTO, Cal.—The following
bids were received by State Engineer
W. F. McClure on September 22nd for
work in connection with the State
Building to be erected in the San
Francisco Civic Center. Bids received
on the general contract and steel are
within the amount available, while
bids for the granite work are above the
estimate.

The following is a complete list of
the bids received:

Excavation Work.
Maurice Dillon, 180 Jessie St., \$26,500,
75 days.

Blanchard, Crocker & Howell, \$28,782;
75 days.

A. J. Reeder, \$29,700; 70 days.

Sibley Grading & Teaming Co., \$29,900;
60 days.

Carlin Grading Co., \$31,255; 6 weeks.

Alfred H. Vogt, \$41,837; 100 days.

Granite Work and Setting of Same.
Raymond Granite Co., \$399,680; 275
days.

McGillivray-Raymond Granite Co., \$408,-
000; 300 days.

Steel Fabrication, Delivery & Erection.
Kyle Co., Cal. Bldg., \$121,500; 160 days.

Dyer Bros. (Golden West Iron Works.),
\$124,000; 100 days.

Steel (Fabrication & Delivery Only).
Palm Iron Works, Sacramento, \$101,-
000; 190 days.

Kyle Co., San Francisco, \$104,500; 101
days.

Pittsburg-Des Moines Steel Co., \$106,-
500; 100 days.

U. S. Metal Products Co., \$109,388; 130
days.

Minneapolis Steel Mfg. Co.; \$122,000.

Delmont Iron Works Co., \$141,800; 131
days.

Steel (Erection Only).
C. A. Blume, San Francisco, \$14,250; 35
days.

Kyle Co., San Francisco, \$16,000; 60
days.

J. A. Williams, \$18,240; 60 days.

Concrete Work, Brick Work and Orna-
mental Terra Cotta, and the Rough
Carpenter Work.

K. E. Parker Co., Clunie Bldg., San
Francisco, \$180,690; 120 days.

Anderson & Ringrose, San Francisco,
\$182,332; 9 months.

Clinton Constr. Co., San Francisco,
\$192,500; 200 days.

Hannah Bros., San Francisco, \$203,296
450 days.

Lange & Bergstrom, San Francisco,
\$207,500; 200 days.

Mission Concrete Co., San Francisco,
\$209,759; 300 days.

P. F. Reilly, San Francisco, \$215,000;
350 days.

Lindgren & Co., San Francisco, \$209,-
300; 10 days after granite set.

Dinwiddle Constr. Co., San Francisco,
co., \$222,000; 200 days.

FRESNO, Fresno Co., Cal.—The City
Trustees are contemplating a bond
issue, with which to finance the instal-
lation of a modern fire alarm system
the erection of three firehouses; con-
struction of a municipal swimming
pool and remodeling and making ad-
ditions to the present City Hall. Chas
Dillon is City Clerk.

TULARE Tulare Co., Cal.—A second
bond election has been called for
October 27th to vote funds for the
erection of a municipal auditorium and
city hall building. The issue will pro-
vide \$90,000 for the erection of both
structures.

Warren C. Perry and G. B. Sturgeon,
Newhall Bldg., San Francisco, are the
architects.

VANCOUVER, Wash.—The City
Council is planning a bond issue for
\$80,000 with which to finance con-
struction of a new City Hall.

ANTIOCH, Contra Costa Co., Cal.—
The City Trustees have decided to
eliminate the electrical heating system,
for the new City Hall building and
substitute a complete steam heating
plant. The Trustees consider the wir-
ing for the electrical plant to cost
\$2,000 while the steam heating system
can be installed for about \$2,400.

Benj. G. McDougall, Sheldon Bldg.,
San Francisco, is the architect and
Lindgren Co., the general contractors.

RESIDENCES.

Owner to Take Figures.
RESIDENCE Cost, \$5,000

BERKELEY, Alameda Co., Cal. San
Mateo and Indian Rock Avenue.

One-story frame and stucco residence.
Owner—E. F. Louideck.

Architect—Jas. W. Plachek, 2014 Shat-
tuck Ave., Berkeley.

Segregated Figures Being Taken
From San Mateo Contractors.

RESIDENCE Cost, \$11,000

MENLO PARK, San Mateo Co., Cal.

One-story and basement frame resi-
dence (8 rooms and separate gar-
age.)

Owner—A. Enten.

Architect—S. Helman, 57 Post Street,
San Francisco.

Plans Ready for Figures About Sep-
tember 27th.

RESIDENCE Cost, \$20,000

RENO, Nevada.

Two-story and basement brick resi-
dence.

Owner—W. H. Duncan.

Architect—Geo. C. Sellon, 1005 8th St.,
Sacramento, Calif.

Steam heat, oil burning system,
vacuum system, inter-communicating
phone system, shingle roof.

Plans Being Revised. To be Re-
Figured.

RESIDENCE Cost, \$5,000

RICHMOND, Contra Costa Co., Cal.
Mira Vista Tract.

Two-story frame residence.
Owner—A. C. Morehead.

Architect—John Hudson Thamos, 1st
National Bank Bldg., Berkeley.

Contract Awarded.
BRICK WORK FOR RESIDENCE

Cost, \$—
PALO ALTO. Stanford University Campus.
Brick work for reinforced concrete residence.
Owner—Mrs. Lou Henry Hoover, Stanford University, Palo Alto.
Architect—A. B. Clark, 4 Cabrillo Campus, Palo Alto.
Contractor—H. P. Nelson, 2241 Grove, Oakland.

Contract Awarded.
RESIDENCE Cost, \$3400
ALAMEDA, Alameda Co., Cal. Pearl Street, No. 1712.

Two-story frame residence.
Owner—Mr. Linwood Palmer.
Architect—Edwin J. Symmes, 1700 Pearl St., Alameda.
Contractor—Alex. Wieben, 1919 Fruitvale Ave., Oakland.

To Be Done by Day Work.

RESIDENCE Cost, \$—
LOS ANGELES, 8th and Westchester Streets.

Two-story hollow tile and reinforced concrete residence (7 rooms).
Owner—J. B. Harris, 218 South Gramercy Place, Los Angeles.
Architects—Wm. Curlett & Son, 518 Merchants National Bank Bldg., Los Angeles.

Plans Being Prepared.

RESIDENCE Cost, \$—
LOS ANGELES, Cal. Wilshire Heights.

Two-story hollow tile and reinforced concrete residence (7 rooms).
Owner—S. H. Stearn.
Architects—Wm. Curlett & Son, 518 Merchants National Bank Bldg., Los Angeles.

Plans Being Figured.

RESIDENCE Cost, \$4,000
SANTA MARIA, Santa Barbara Co., Cal.

One-story frame and plaster residence (5 rooms).
Owner—Arthur Froom, Santa Maria.
Architect—Fay R. Spangler, Jones Bldg., Santa Maria.

Plans Being Prepared.

ALTERATIONS. Cost, \$10,000
CHICO, Butte Co., Calif. Dayton Road.

Alterations for residence.
Owner—T. W. Rodgers, Chico.
Architect—Woollett & Lamb, Physicians' Bldg., Sacramento, Calif.

Plans Being Prepared. Foundation Contract Let.

RESIDENCE Cost, \$25,000 complete with furnishings.
SANTA MARIA, Santa Barbara Co., Calif.

One-story and basement frame and stucco residence (9 rooms and 2 baths).

Owner—J. B. Arellanes, Santa Maria.
Architect—Fay R. Spangler, Jones Bldg., Santa Maria.
Contractor—W. J. Smith, Santa Maria.

Plans to Be Prepared.

RESIDENCE Cost, \$15,000
MARYSVILLE, Yuba Co., Cal. Location not yet selected.

Brick or frame residence.
Owner—Rev. P. Guerin (Catholic Clergy), Marysville, Cal.
Architect—Not Yet Selected.

Contract Awarded on a Percentage Basis. Sub-Figures Being Taken.

RESIDENCE Cost, approximately \$30,000.
HILLSBOROUGH, San Mateo Co., Cal. Two-story frame and plaster residence and garage (18 rooms).

Owner—G. L. Rathbone, 1436 Burlingame Ave., Burlingame.
Architects—Bakewell & Brown, 251 Kearny St., San Francisco.
Contractor—W. C. Duncan & Co., Sharon Bldg., San Francisco.
The Duncan Co. are taking figures on all sub-contracts.

Plans Being Figured. Bids Close Sept. 23, 1919.

RESIDENCE Cost, \$10,000
SAN FRANCISCO. N Clay 75 E Steiner

Two-story and basement frame and plaster residence.
Owner—Withheld.
Architect—Frank S. Holland, 1629 Folsom St., San Francisco.

Plans Being Figured. Cost, \$10,000

RESIDENCE. SACRAMENTO.
Frame residence.
Owner—J. I. Lubin.
Architect—E. C. Hemmings, 1203 "J" St., Sacramento.

SAN FRANCISCO.—Architect J. F. Dunn, Phelan Bldg., is taking figures for an automatic passenger elevator for the residence of Robert S. Atkins on the south side of Jackson Street 117-6 west of Maple.

SALINAS. Monterey Co., Cal.—Bids will be received by the County Supervisors, T. P. Joy, County Clerk, up to October 11th 2 P. M., for building and improving the residence of the Superintendent of the County Hospital.

FRESNO. Fresno Co., Cal.—The Fresno County Chamber of Commerce is planning the formation of a building corporation to erect apartment houses and dwellings in this city to relieve the present housing shortage.

Plans Being Prepared. Cost, \$—
RESIDENCE, ETC. SAN BERNARDINO, San Bernardino Co., Cal.

Two-story and basement brick parochial residence (13 rooms and 3 bathrooms).

Owner—Rev. Nicholas Conneally.
Architect—Alfred C. Martin, 430 Higgins Bldg., Los Angeles.

Plans Being Prepared. Cost, \$20,000

RESIDENCE Cost, \$20,000
LOS ANGELES. Holly Drive near Sunset Blvd.

Two-story and basement frame and plaster residence (12 rooms and 3 bathrooms).

Owner—Otto Baldwin.
Architect—John J. Frauenfelder, 1116 Story Bldg., Los Angeles.

SCHOOLS

ADDITION. Cost, \$8,000
NICOLAUS, Sutter Co., Calif.

One-story frame (2 room) addition to school.

Owner—Nicolaus School District.
Architect—Geo. C. Sellon & Co., 1005 8th St., Sacramento, Calif.

Plans Being Prepared.
SCHOOL. Cost, \$60,000
LOVELOCK, Nevada.

One-story and basement brick school 8 rooms and auditorium (375 seats.)

Owner—Lovelock School District.
Architect—Geo. C. Sellon & Co., 1005 8th St., Sacramento, Calif.
Plans will be ready for figures about November 1st.

Pressed brick exterior, hot air system, exhaust system.

Contract Awarded. Cost, \$17,800

GYMNASIUM Cost, \$17,800
CONCORD, Contra Costa Co., Cal.

One-story frame and plaster gymnasium.

Owner—Mt. Diablo Union High School District.
Architects—Wright & Sala, Bank of Italy Bldg., Stockton.
Contractor—L. V. Perry, Concord.
Heating awarded to Thos. Kennedy of Martinez on his bid of \$690.

Plans Being Prepared. Cost, \$46,000

SCHOOL. CORNING, Tehama Co., Cal.
One-story reinforced concrete Class "C" school 8 rooms and auditorium
Owner—Corning School District.
Architect—Geo. C. Sellon & Co., 2005 8th St., Sacramento.

(Correction in Cost).

Plans Being Figured. Bids Close Oct. 7, 1919.

SCHOOL Cost, \$13,000
CORDUA, Yuba Co., Cal. Cordua near Marysville.

One-story brick school (2 rooms).
Owner—Cordua School District.
Architect—Chester Cole, Waterlund-Breslauer Bldg., Chico, Cal.

Plans Being Prepared. Cost, \$—

FRAME SCHOOL Cost, \$—
VISITACION, San Mateo Co., Cal.

One-story frame school.
Owner—Visitacion School District.

Architect—E. L. Norberg, 742 Market St., San Francisco.

NOTE:—Bonds to the amount of \$24,000 have been voted for property and building.

Preliminary Plans Being Prepared. Bonds to Be Voted About October 15th.

HIGH SCHOOL. Cost, \$450,000
CHICO, Butte Co., Calif.

Two-story reinforced concrete High School (35 rooms.)

Owner—Chico School District.
Architect—Woollett & Lamb, Physicians' Bldg., Sacramento, Calif.

Opening of Bids Postponed. Bids will be Opened in About 30 Days.

SCHOOL Cost, \$20,000
POTTER VALLEY, Mendocino Co., Cal.

Potter Valley near Ukiah.
One-story reinforced concrete school. (5 rooms and auditorium).

Owner—Potter Valley School District.
Architect—Norman R. Coulter, 46 Kearny St., San Francisco.

A deposit of \$10 will be required for plans taken away from Architect's office.

Plans Being Completed. Cost, \$20,000

SCHOOL Cost, \$20,000
HOPLAND, Mendocino Co., Cal.

One-story concrete school building.

Owner—Hopland School District.
Architect—Norman R. Coulter, 46
Kearny St., San Francisco.

Figures to be Taken This Week.
ADDITION Cost, \$5,000
RIVERBANK, Yolo Co., Cal.
One-story addition of one room for
school and water supply system.
Owner—Riverbank School District.
Architects—Geo. C. Sellen & Co., 1005
8th St., Sacramento.

Ready for Figures October 1st.
SCHOOL Cost, \$50,000
DAVIS, Yolo Co., Cal.
One-story hollow tile school (8 rooms
and auditorium).
Owner—Davis School District.
Architects—Geo. C. Sellen & Co., 1005
8th St., Sacramento.

LOVELOCK, Nevada.—Bonds on \$60,-
000 have been voted to finance con-
struction of a new grammar school
building.

FOWLER, Fresno Co., Cal.—Bonds of
\$150,000 have been voted in the
Fowler high school district with which
to secure funds to finance construc-
tion of a new high school building.
Allison & Allison, Hibernian Bldg.,
Los Angeles, are the architects.

Plans Being Figured. Bids Close Oct.
21, 1919.

SCHOOL Cost, \$—
BERKELEY, Alameda Co., Cal. Thous-
and Oaks.
One-story hollow tile school building.
Owner—City of Berkeley.
Architect—W. C. Hays, 1st National
Bank Bldg., San Francisco.
Bids will be taken as follows:

1. Excavating and grading.
2. Concrete and cement work.
3. Masonry.
4. Carpentry, glass and glazing,
hardware, blackboards, structural &
ornamental iron work.
5. Lathing and plastering.
6. Painting.
7. Plumbing.
8. Roofing and sheet metal work.
9. Electrical work.
10. Heating and ventilating.
11. Shades and linoleum.

Plans may be obtained from the
Board of Education, 2133 Allston Way,
Berkeley, on a deposit of \$10.

Plans Being Prepared.
SCHOOL Cost, \$40,000
SAN ANSELMO, Marin Co., Cal.
One-story and basement brick elemen-
tary school (10 rooms and an audi-
torium).
Owner—San Anselmo School District.
Architect—J. W. Dolliver, Royal In-
surance Bldg., San Francisco.
Bonds have been voted.

CHICO, Butte Co., Cal.—L. Van
Vlack of Chico was awarded the con-
tract for the repair and plumbing
work on the four grammar schools by
the Board of Education at its last
meeting at \$12,835. This is the third
time the contract has been let, the
other two contracts being declared in-
valid owing to legal technicalities
which had not been observed by the
board.

Chester Cole of Chico is the archi-
tect.

STRAITHMORE, Tulare Co., Cal.—
The Board of School Trustees has de-

cided to call an election to vote bonds
of \$85,000 with which to finance con-
struction of a new high school build-
ing and purchasing equipment for
same.

Lee Gill is Secretary and W. L. Mc-
Dowell Vice President of the School
Board.

STORES AND OFFICES

Contract Awarded.
ADDITION Cost, \$—
MARYSVILLE, Yuba Co., Cal. E St.
Addition for display room in building.
Owner—Foresters Hall Ass'n.
Lessee—Yuba Manufacturing Co.,
Marysville, Cal.
Architect—None.
Contractor—L. E. Hite, 515-A "D" St.,
Marysville, Cal.

Segregated Figures Being Taken.
AUTO SALES BLDG. Cost, \$140,000
SAN FRANCISCO. NE Post and Hyde
Three-story reinforced concrete auto
sales building, 77-6x137-6.
Owner—Gerard Invest. Co.
Architects—Rousseau & Rousseau, 110
Sutter St., San Francisco.

Contractors Taking Sub-Figures.
AUTO SALES ROOM Cost, \$30,000
SAN FRANCISCO. N Post 54 W
Franklin Street.
One-story Class "B" auto salesroom
building, 83-6x137-6.
Owner—A. M. Biefield.
Architect—Sylvain Schnaittacher, 233
Post St., San Francisco.
Contractor—Barrett & Hilp, Sharon
Bldg., San Francisco.

Figures are wanted for sheet metal
work, steel sash, metal moulding and
mill work.

Plans Being Figured.
ALTERATIONS. Cost, \$1500
SACRAMENTO, Calif. "K" Street.
Alterations for store (Kawneer
fronts).
Owner—Haas Shoe Co.
Architect—F. A. Foale, Ochsner Bldg.,
Sacramento, Calif.

Contract Awarded.
GARAGE Cost, \$—
PORTLAND, Ore. Fifteenth and
Couch Streets.
Two-story reinforced concrete garage
and auto salesrooms, 100x100.
Owner—W. H. Wallingford.
Architect—Emil Schacht, Common-
wealth Bldg., Portland, Ore.
Contractor—Stebbing Bros., Build-
ers' Exchange, Portland, Ore.

Plans Ready for Figures Shortly.
AUTO SALESROOMS Cost, \$35,000
SANTA MARIA, Santa Barbara Co.
One-story and mezzanine floor frame
and terra cotta auto salesrooms
and four stores, also one-story
service station and one-story
storage room.
Owner—E. D. Rubel, Santa Maria.
Architect—Fay R. Spangler, Jones
Bldg., Santa Maria.
Concrete foundation, terra cotta
exterior finish; roof, T. & G.; heating
system, low pressure steam; gas burn-
ing furnace.

Plans Being Prepared.
STORE & OFFICE BLDG. Cost, \$42,000
TURLOCK, Stanislaus Co., Cal.
Two-story Class "C" store and office
building, 100x117 (6 stores).

Owner—Chas. H. Geer, President of
the Central California Milk Pro-
ducers' Association.
Architect—W. H. Weeks, 75 Post St.,
San Francisco.

Contract Awarded.
ALTERATIONS Cost, \$—
CHICO, Butte Co., Cal.
Alterations for store front.
Owner—Mrs. Lillian D. Graves.
Architects—Woollett & Lamb, Phy-
sicians' Bldg., Sacramento.
Contractor—Geo. D. Hudnutt, Inc., Cal.
Fruit Bldg., Sacramento.

SACRAMENTO, Cal.—The Wein-
stock, Lubin & Co., of Sacramento,
are preparing for the construction of
a new department store building at
11th and "J" streets, Sacramento.

The work has been placed in the
hands of Frederick Whitton, Con-
struction Manager, 269 Pine Street,
San Francisco. Preliminary investi-
gations are now being made. The time
at which construction will be begun
and the exact size of the building has
not been determined.

Contracts Awarded.
MARKET BLDG. Cost, \$9,000
SAN FRANCISCO. SE Courtland Ave.
58 S. Moultrie St.
One-story reinforced concrete and
frame market building.
Owner—John Batyilia.
Architect—C. O. Clausen, Hearst Bldg.,
San Francisco.
Concrete work to Carl Frank.
Carpenter work to S. Costello.

AUTO TIRE SALES BLDG.
Cost, \$—
SAN FRANCISCO. SE Post Street
and Meacham Place.
Two-story reinforced concrete auto
tire sales building (exterior ce-
ment imitation Caen stone).
Owner—Withheld.
Architect—Rousseau & Rousseau, 110
Sutter St., San Francisco.

Plans Being Figured.
STORE BLDG. Cost, \$10,000
SAN FRANCISCO. N line Post Street
bet. Hyde and Leavenworth Sts.
One-story brick store building, 40x60,
(3 stores).
Owner—Withheld.
Architect—M. I. Schwartz, Nevada Na-
tional Bank Bldg., San Francisco.

THEATRES

Plans Being Prepared.
ALTERATIONS. Cost, \$50,000
SACRAMENTO, 1203 "J" Street.
Alterations to theatre building.
Owner—Strand Theatre Co.
Architect—E. C. Hemmings, 1203 "J"
St., Sacramento.

Plans Being Prepared.
THEATRE Cost, \$—
LOS ANGELES, Hollywood Blvd. near
Wilton Place.
Class "A" reinforced concrete moving
picture theatre building, 50x125
(1200 seats).
Owner—J. M. Young.
Designer and Contractor—C. S. Wright
(Hollywood Constr. Co.), 6040
Hollywood Blvd., Los Angeles.

ENGINEERING

BRIDGES, DAMS & HARBOR WORK

NAPA, Napa Co., Cal.—The County Supervisors, James A. Daly, County Clerk, has awarded a contract to Harry Thorsen, St. Helena, for the construction of a reinforced concrete culvert across Nigger Creek of the following dimensions:

2 feet 6 inches high, by 5 feet wide and 20 feet in length in the clear inside measurements. The bid was \$449.

Thorsen was also awarded the contract for the construction of a reinforced concrete two arch bridge across Chiles Creek on the road leading to Conn Valley, at \$264.9.

MARYSVILLE, Yuba Co., Cal.—County Engineer L. B. Cook will present plans at the next meeting of the Supervisors for the construction of a new joint bridge between Yuba and Butte Counties across Honcut Creek, 3 miles from Bangor, the present structure having been condemned as unsafe.

Plans for the new structure provide for a concrete arch 56 feet in length.

MADERA, Madera Co., Cal.—The City Trustees are considering the erection of bridges at Vineyard avenue and Clinton streets.

STOCKTON, San Joaquin Co., Cal.—The Supervisors have instructed the Purchasing Agent to purchase sufficient paint for painting the 29 county bridges.

SACRAMENTO, Cal.—The Cotton-Macaulay Co., 16 California St., San Francisco, submitted the lowest bid at \$46,528.17 to the State Reclamation Board and were awarded the contract for the construction of reinforced concrete revetment upon portions of the levees of the Sacramento By-pass together with toe walls and toe aprons, located at the Easterly end of the Sacramento By-pass, near the west bank of the Sacramento River in Yolo County, about 5 miles up-stream from the City of Sacramento.

Other bidders were: Ross Constr. Co., Sacramento, \$49,195.33; L. S. Atkinson, Los Angeles, \$53,666.35.

EUREKA, Humboldt Co., Cal.—Bids will be received by County Clerk Fred M. Kay up to September 27th, 10 A. M., for making a fill at each end of the new bridge across Salt River at Port Kenyon, in Road District No. 1.

EUREKA, Humboldt Co., Cal.—Bids will be received by Fred M. Kay, County Clerk, up to September 27th, 10 A. M., for the construction of a steel bridge across the Mattole river near Thorn, in Road District No. 2.

PORTERVILLE, Tulare Co., Cal.—Engineers Geo. Sturgeon, Newhall Bldg., San Francisco, and C. H. Holley, of Visalia, have been retained to prepare plans for the proposed reservoir system to be constructed by the South Tulare Independent Ditch Co. The project will cost about \$75,000. Water will be impounded by a series of dams in the foothills.

Plans Completed.

BULKHEAD

SAN FRANCISCO. San Francisco

Waterfront.

Reinforced concrete bulkhead wharf for Pier No. 5 and reinforced concrete wharf for Pier No. 19.

Owner—State Harbor Board.

Engineer—Frank G. White, Ferry Bldg., San Francisco.

TABLE OIL PLANT EQUIPMENT.

San Francisco.—Engineer Frank G. White of the State Harbor Board is preparing details for equipment of the Vegetable oil plant at Islais Creek.

MADERA, Madera Co., Cal.—Bids will be received by W. R. Curtin, County Clerk, up to October 8th, 10 A. M., for the repair of a portion of the Herndon bridge; being located on the route of the State Highway, and across the San Joaquin River near Herndon, Fresno County.

SEATTLE, Wash.—The City Council has granted permission to the Frank Waterhouse Company for the construction of their proposed \$2,000,000 ocean terminal on the site purchased by them in 1917, on the west side of the entrance to the West Waterway, for the construction of a 120x150-foot dock and the filling of Railroad avenue, between 26th avenue S. W. and the Waterway.

The plans submitted by Frank Waterhouse & Co. disclose the fact that the new project will be one of the largest of its kind on the coast when completed. Large loading piers capable of serving the largest trans-Pacific steamers will face the Waterway. On these will be constructed a transit shed of heavy mill construction, 900 feet long by 150 feet wide. Behind this will be located a two-story reinforced concrete, fireproof warehouse, 150x900 feet in dimension, fully equipped with the latest in freight handling conveyors. Six sets of tracks will serve both buildings.

Complete working drawings are now being completed in the offices of the Waterhouse Company at Seattle.

IRRIGATION WORK

BAKERSFIELD, Kern Co., Cal.—Preliminary plans for the proposed Kern County Irrigation District have been completed by A. Lincoln Fellows, Engineer of the U. S. Reclamation Service and plans for the district which will irrigate about 400,000 acres provide for the following:

(1) Acquire by purchase at fair prices all existing water rights used in the distribution of waters from Kern river.

(2) Lowering ground water plans by pumping and drainage ditches in all water-logged land, using the water thus reclaimed for irrigation.

(3) Establishment of sufficient storage in the mountains for approximately 1,500,000 acre-feet of water thus stored for development of power, to be distributed to the farmers within the district at cost.

(4) Construction of high-line canals from the river at the mouth of Kern canyon.

(5) Retention and improvement of such portions of present irrigation systems as may be permanently effi-



SAVES YOU MONEY

New and re-nerved screw casing and standard pipe for every requirement; tested and guaranteed for 150 pounds working pressure; dipped in hot asphaltum to prevent corrosion. Extensively used by orchardists and farmers, water-works, mines, etc.

Pacific Screw Casing is seamless steel pipe, light weight, fine thread. Saves you from one-half to two-thirds in cost; freight is half as much as on standard pipe.

Fittings and valves for every purpose; special fittings made to order. Tell us today what your requirements are; let us save you money.

PACIFIC PIPE CO.,

231 Howard St.

San Francisco

cient. Herman T. Miller is Chairman of the Irrigation Board.

SEATTLE, Wash.—Construction of a fourteen mile tunnel through solid granite—the largest of its kind in the world—is to be part of the engineering feats connected with the Methow-Okanogan irrigation project in Washington. This project, when completed, will furnish irrigation for approximately 45,000 acres of land. The cost of the development voted by the district embraced in the project, to be aided by the state, is estimated at \$8,000,000. Four years will be required to build the tunnel, it is said.

The Methow-Okanogan project is but part of an ambitious program of reclamation work undertaken by Washington, and made possible by the recently passed state reclamation act.

COLUSA, Colusa Co., Cal.—Work will be started on a newly formed reclamation district within two weeks by Kenyon & Whitman, Forum Bldg., Sacramento, who have secured the contract for the construction of drains, etc.

Final plans for the organization of the district will be taken up at the next meeting of the Supervisors of Colusa and Glenn Counties.

OROVILLE, Wash.—A bond issue for \$400,000 with which to finance construction of extensive improvements in the main and distribution canals of the West Okanogan valley irrigation system will be submitted to the landowners of the district at a special election soon to be called.

It is proposed to replace all temporary construction with concrete and steel work and to line the earth canals with concrete in order to increase the water supply by preventing waste from seepage and to eliminate the maintenance expense due to breaks in the canal system.

MARYSVILLE, Yuba Co., Cal.—The landowners of the Cordua Irrigation District, covering about 5,000 acres northeast of this city, have voted to organize under the State law covering irrigation districts. At the same time the following officers were elected: Directors, Warren Steel, H. D. Plantz and Al Boomer; Assessor and Tax Collector, Mrs. Warren Steel.

The election is the first step toward extending the Cleveland ditch, which has been supplying the territory a distance of five miles. Later on a bond election will be held for the purpose of providing funds for more extended improvements in the district.

The water is supplied from Yuba River by means of a dam constructed opposite DaGuerra Point. The construction of the new portion of the Cleveland ditch will begin as soon as possible.

LIGHTING SYSTEMS

LOS GATOS, Santa Clara Co., Cal.—The City Trustees will consider at their next meeting the installation of a modern lighting system for the main streets of the town.

MACHINERY

SAN JOSE, Santa Clara Co., Cal.—For the second time no bids were received by the County Supervisors, Henry A. Pfister, Clerk, for the purchase of two Kelly-Springfield road rollers.

NAPA, Napa Co., Cal.—The County Supervisors have awarded a contract to the Austin Western Road Machinery Co., 22 Fremont St., Napa, at \$4,400 for furnishing and delivering to the County of Napa one 12-ton Austin Motor Road Roller.

The only other bidder was the A. L. Young Machinery Co., who agreed to furnish three types of rollers at the following figures:

'Single Cylinder Buffalo Springfield, \$4,375.

'Double Cylinder Buffalo Springfield, with scarifying attachment, \$6,650.

Also to furnish a second hand Buffalo Springfield for \$2,995.

'James A. Daly is County Clerk.

'OROVILLE, Butte Co., Cal.—Bids will be received by County Clerk C. F. Belding up to October 8th, 2:15 P. M., for furnishing Butte County with two three and one-half-ton White Trucks or their equivalent, equipped with Dump Bodies and Mechanical Hoist.

STOCKTON, San Joaquin Co., Cal.—Bids received from The Spears, Wells Machinery Company; A. B. Munson & Son, and Edward M. Chadbourne of San Francisco, for furnishing and delivering a fire or six-ton road roller have been taken under advisement.

SEWERS, STREET WORK, ROADS AND WATER SYSTEMS

STOCKTON, San Joaquin Co., Cal.—The City Council has ordered the construction of cement concrete sidewalks as follows:

One hundred feet of sidewalk on Rose street near Harrison; one hundred feet on Harrison street south of Rose; 101 feet on the west side of Hunter street at Clay; 202 feet west of Sacramento street on the north side of Lindsay; 101 feet on the east side of Aurora road of Anderson; 101 feet on the south side of Worth east of Stanislaus, and 101 feet on the east side of Stanislaus south of Worth.

MARYSVILLE, Yuba Co., Cal.—County Surveyor L. B. Crook has completed plans for the first unit of road improvement work to be done in District 10 under the \$60,000 appropriation of the County Supervisors. Surveys on the second unit are now being completed.

SAN MATEO, San Mateo Co., Cal.—The City Trustees have instructed the City Attorney to draw up the papers necessary for election to vote bonds of \$48,000 with which to finance construction of the following improvements:

Water system ..	\$40,000
Fire alarm system.....	24,000
Motor driven pumping fire engine	14,000
Preliminaries for the proposed water system were prepared by Engineers Olmsted & Gillelen, Hollingsworth Bldg., Los Angeles.	

OAKLAND, Cal.—The City Council, L. W. Cummings, City Clerk, has passed resolutions of intention providing for the improvement of Halliday avenue from 73rd avenue to Church street by grading, construction of concrete curbs and gutters and paving with an oil-macadam; also for the improvement of the east side of 26th street, between Harrison and Valdez streets by the construction of cement sidewalks, 6 feet in width where not already in place.

RICHMOND, Contra Costa Co., Cal.—The City Council, A. C. Faris, City Clerk, has passed a resolution of intention providing for the improvement of portions of Garard Boulevard and Standard Avenue by regrading and paving with a 6-inch cement concrete base and a wearing surface of asphalt and broken rock; construction of cement concrete catchbasins with cast iron frame and grate with connection of standard, alt glazed, sewer pipe, wing walls of cement concrete and redwood curbs.

HARPER, Orange Co., Cal.—The Newport Heights Association has been asked to call an election to vote on issuing \$160,000 bonds for a new water distributing system in the Harper district. Petitions are now being circulated for signatures endorsing the project. There are 1400 acres in the district.

ANTIOCH, Contra Costa Co., Cal.—Bids will be received by Town Clerk J. E. McElheney up to 8 P. M., September 29th, for boring wells in the vicinity of Antioch.

Wells shall be in number not to exceed three and shall be encased with 12" standard casing. The wells shall be bored successively at places to be designated by the Superintendent of

Streets of the Town of Antioch, and there shall be as many wells bored and to such depth as he shall direct. The maximum depth of any well shall not exceed 500 feet. The bidders shall specify the rate per foot for the first hundred feet and the rate per foot for each fifty feet thereafter for boring each well, which said sum shall include the cost of casing installed.

STOCKTON, San Joaquin Co., Cal.—October 7th, 10 A. M. is the date set by the Supervisors for opening bids for the improvement of the Wackmuth road, near the Alameda County Line, the Daggett and Moring roads. Plans may be had from the County Clerk at Stockton.

SACRAMENTO, Cal.—The State Reclamation Board has awarded a contract to the Old Mission Portland Cement Co., Mills Bldg., San Francisco, for furnishing and delivering 5,000 barrels of cement for use in the construction of the concrete revetment along the levee of the Sacramento by-pass near Bright's bend. The bid was \$2.63 per barrel. Three other bids were received.

STOCKTON, San Joaquin Co., Cal.—Revised plans for the East Street sewer have been approved by the City Council and bids for construction will be asked within the next few days.

RED BLUFF, Tehama Co., Cal.—The Board of Education has received drawings from the Portland Cement Association and the Los Angeles authorities for a swimming pool for the Red Bluff Union High School. It is planned to construct a concrete tank 30x75 feet which will be constructed with a slope enabling the smaller children of the school to use it.

Construction, it is expected, will be started within two months.

GLENDALE, Los Angeles Co., Cal.—The City Trustees have issued a statement urging the necessity of voting \$260,000 bonds for extensions to the municipal water system and construction of a power generating plant, comprising the following: New pumping plant with two wells and pump for each and large booster pump at San Fernando road and Grand View avenue, cost \$33,500; new 30-in. trunk line from Doran street to entrance to Verdugo canyon, cost \$35,000; 7,500,000 gallon reservoir at entrance to Verdugo canyon, cost \$40,000; new 20-in. pressure main from reservoir to about the middle of Verdugo canyon, cost \$34,800; row of wells across the middle of Verdugo canyon to bed rock, with pumps to raise water to a small reservoir or settling basin, cost \$32,000; 16-in. pressure main from main pumping plant to Grand View avenue, cost \$19,000; reservoir at Grand View avenue, cost \$8,000; pumping plant at Grand View reservoir, cost \$3000; 5 miles of new water mains and laterals, cost \$34,250; electric generating plant at Verdugo canyon reservoir, with 100 kilowatt generator driven by Pelton wheel, cost \$9,700; purchase of addition gravity water shares, \$10,000.

VENICE, Los Angeles Co., Cal.—A. Stutzer, Menotti Bldg., Venice, submitted the lowest bid at about \$30,000 and was awarded the contract for the improvement of Virginia avenue, involving 13,364 sq. ft. 5-in. concrete paving, 8540 lin. ft. curb, 10,488 cu. yds. fill, 4543 sq. ft. cement sidewalk and 162,000 sq. ft. oil surface; also for improvement of Strong's drive, involving 6,300 cu. yds. fill, 6540 lin. ft. curb, and 98,100 sq. ft. oil surface. W. F. Crawford, City Engineer and Street Superintendent.

LOS GATOS, Santa Clara Co., Cal.—The City Attorney has been instructed to secure rights-of-way on New York avenue for the proposed sewer extension in that thoroughfare. Engineer J. Church Walker has prepared plans for the extension.

LONG BEACH, Los Angeles Co., Cal.—The City Commission has ordered concrete paving for East Fourth St. from Molino to Termino Avenues, and sewers in the section between Loma and Termino Aves. The improvements will cost \$60,000. Fred Hoffman, city engineer.

LIVERMORE, Alameda Co., Cal.—The Board of Trustees has awarded a contract to the American Rubber Mfg. Company of Emeryville for furnishing 300 feet of the best grade "Cracker-jack" fire hose at 90 cents per running foot and two shut-off nozzles for 1½ inch hose to be provided with ¾ inch tip and also 2 extra ¾ inch tips and a "Y" for same.

LIVERMORE, Alameda Co., Cal.—The City Trustees will consider at their next meeting the purchase of a motor fire engine from the E. L. Peacock Auto Co., 3020 Broadway, Oakland, at \$6,575.18. The company agrees to furnish a service truck fire engine, capable of throwing 350 gallons of water per minute by raising the pressure from 40 to 100 pounds, together with a 35-gallon chemical tank, two ladders and various other fire apparatus.

FLAGSTAFF, Ariz.—The Miller Construction Co. has been awarded the contract at about \$30,000 to construct the Oak Creek cut-off in Coconino national forest, Coconino Co., Ariz., by the U. S. bureau of public roads, J. S. Bright, acting district engineer, Luna Strickler Bldg., Albuquerque, N. M. The road is 4.8 miles in length and the contract involves 1836 cu. yds. rock excavation, 17,320 cu. yds. common excavation, 17,752 M. B. M. bridge trestling in place, metal pipe culverts and rubble masonry. C. W. Miller, president of the company, is establishing a camp preparatory to starting the work.

FRESNO, Fresno Co., Cal.—The City Council, Chas. Dillon, City Clerk, has passed resolutions of intention providing for the improvement of College avenue between Belmont and Bremer avenues by the construction of artificial stone sidewalks where not already in place.

Improvement of California avenue from Sarah to Third street by the construction of 20, 18, 16, and 12-inch cement concrete sewer pipe and 8 and 10-inch vitrified clay sewer pipe.

GRANGEVILLE, Idaho.—The contract for a portion of the North and South Highway between the mouth of Whitebird Creek and New Meadows has been awarded by the State Commissioner of Public Works, W. J. Hall, to the Grant Smith & Co., of Spokane and Portland, at approximately \$625,000.

SACRAMENTO, Cal.—J. C. Nurse has been officially appointed Superintendent of Streets by the City Commissioners. For the past few months Nurse has been in that position under a temporary appointment.

SACRAMENTO, Cal.—The following bids were received by the State Highway Commission September 22nd for highway improvement in three counties:

Los Angeles County, between two miles north of Acton and Palmdale (VII-LA.-23-E), about 8.6 miles in length to be paved with Portland cement concrete.

Fred Hoffman, Los Angeles, \$181,445.
Geo. S. Benson & Son, Los Angeles, \$186,005.

C. H. Soteras, Los Angeles, \$209,842.

Ventura County, between the Southern Boundary and Conejo Grade (VII-VE.-2-A & B), about 5.2 miles in length, to be paved with Portland cement concrete.

C. H. Hudson, Los Angeles, \$98,825.
G. R. Curtis, Los Angeles, \$10,300.
Rogers Bros., Los Angeles, \$109,500.
C. H. Soteras, Los Angeles, \$117,400.

Ventura County, between Russell Ranch and the former easterly boundary (VII-LA.-2-C), about 1.3 miles in length, to be paved with Portland cement concrete.

Geo. R. Curtis, Los Angeles, \$25,600.
Rogers Bros., Los Angeles, \$28,800.
C. H. Soteras, Los Angeles, \$35,200.
C. H. Hudson, Los Angeles, \$35,312.
Engineer's Estimate, \$29,120.

San Joaquin County, between Houston School and Northerly Boundary (III-S.J.-4-D), about 4.7 miles in length to be paved with Portland cement concrete.

W. A. Dontanville, Salinas, \$56,880.50.
Lyn S. Atkinson, Sacramento, \$57,816.25.

F. C. McIntyre, Stockton, \$58,046.50.
W. J. Schmidt, Berkeley, \$67,608.50.
Engineer's Estimate, \$68,826.92.

REDWOOD CITY, San Mateo Co., Cal.—The City Engineer has completed plans for the improvement of Webster street from Main to Washington and bids will be called in the near future. W. A. Price is City Clerk.

TULARE, Tulare Co., Cal.—The City Trustees have passed a resolution providing for the paving of streets costing in the neighborhood of \$20,000. The work will cover the paving of a mile strip near the north city limits and the paving of a portion of Inyo street which will connect with the Corcoran highway.

OROVILLE, Butte Co., Cal.—Plans for a concrete bridge on Lone Pine avenue over Edgar slough have been completed by County Engineer M. C. Polk.

SALINAS, Monterey Co., Cal.—Bids will be received by T. I. Joy, County Clerk, up to October 7th, 2 P. M., for constructing a portion of the King City-Lomaok Road, along the San Lorenzo Creek in San Benito County.

Separate bids will also be received for grading and macadamizing a portion of the Salinas-Natividad Road, in Alisal and Pajaro Road Districts.

SOUTH SAN FRANCISCO, San Mateo Co., Cal.—The City Trustees, Wm. J. Smith, City Clerk, has passed a resolution of intention providing for the improvement of portions of the alley between Baden and Grand avenues, which is included between the W line of Maple avenue and the E line of Spruce avenue, by grading and constructing a cement concrete pavement 5 inches thick.

OROVILLE, Butte Co., Cal.—Up to October 8th, C. F. Belding, County Clerk, will receive bids for the improvement of six and one-half miles of road-bed on the Oroville-Quincy road.

The road will be laid with crushed rock and gravel on the same lines as was the Hurlston road.

OLYMPIA, Wash.—The State Highway Commission has awarded the following state highway contracts:

Pacific Highway, Seattle to Lake Forest Park, to J. L. Smith of Seattle at \$121,291.

Olympic Highway from Forks south, to R. O. Wahlgren of Forks at \$29,932.

Inland Empire Highway, Ellensburg south, to Rajotte, Hobart & Winters, Spokane, at \$198,533.

National Park Highway from La-Grande to Adler, to Sweeney & Gallucci of Tacoma at \$147,207.

OAKLAND, Cal.—The City Council, L. W. Cummings, City Clerk, has adopted a resolution of intention providing for the improvement of portions of Frederick street from Kennedy street westerly by grading and laying a concrete pavement 6-inches thick.

BERKELEY, Alameda Co., Cal.—The City Council, A. G. Briggs, City Clerk, has passed a resolution of intention providing for the improvement of Virginia street from the east line of Third street to the east line of Second street by grading and laying an asphalt macadam pavement.

WHITTIER, Los Angeles Co., Cal.—The \$261,000 bond issue to provide for development of additional water supply, extending the distributing system and providing for additional storage for the municipal water system carried at the election on September 18, J. B. Lippincott, Central Bldg., Los Angeles, is the engineer.

DINUBA, Tulare Co., Cal.—A resolution of intention for street work estimated to cost about \$130,000, has been adopted by the City Council. Chas. E. Sloan of San Francisco, has been appointed city engineer.

BAKERSFIELD, Kern Co., Cal.—Federal Construction Co., Call Bldg., San Francisco, was awarded the contract at \$51,965.59 for paving Twenty-first, Twenty-second, Twenty-third,

Twenty-fourth and H streets in District No. 46 with 3-in. asphaltic base and 1½-in. bitulithic surface. Bids voted in issue of September 19.

BAKERSFIELD, Kern Co., Cal.—Lloyd S. Stroud, 2225 18th St., Bakersfield, was awarded the contract for constructing a sewer in alleys adjoining Tulare street, involving 2267 feet 6-in. vitrified pipe at \$1.50 ft.; 2 concrete manholes at \$85 each and 4 lampholes at \$10 each.

DIXON, Solano Co., Cal.—Preliminary steps were taken by the City Trustees for the paving program planned in the immediate future when a resolution changing the grades of streets was passed. About twenty blocks of paving is planned. Bids will be called for within the next few weeks.

SALINAS, Monterey Co., Cal.—The Granite Rock Co., Salinas, has been awarded a contract by the County Supervisors for the construction of a road from the city limits of Salinas to Kelleher's corner.

The bid was: Item 1. 300 tons of waste rock in base at \$2.24 per ton.

Item 2: 275 tons two inch rock in asphalt macadam at \$2.75 per ton.

Item 2: 100 tons ½ inch granite screenings in asphalt macadam at \$3.50 per ton.

Item 4: 19,040 square feet of asphalt macadam at 3¼ cents per square foot.

MAXWELL, Colusa Co., Cal.—D. C. Howard, 311 California National Bank Bldg., Sacramento, has started on his paving contract recently awarded by the Town Trustees. The main street of the town will be paved extending from the highway west one half mile.

TRACY, San Joaquin Co., Cal.—The City Trustees have sold the \$30,000 worth of street bonds which will finance the paving of several streets. Bids for the work are now being taken.

SACRAMENTO, Cal.—County Engineer Drury Butler has been instructed to prepare plans and specifications for the proposed Sheldon-Sloughhouse highway.

SAN FRANCISCO.—The Board of Public Works has awarded a contract to the Ralsch Improvement Company, 46 Kearny street, for grading; sewerage and paving Hale street between San Bruno avenue and Merrill streets at \$13,226 49 and to C. B. Eaton, 407 11th St., for the paving of Forty-first avenue between Lincoln Way and Irving street at \$1,329.

FRESNO, Fresno Co., Cal.—Bids will be received by City Clerk Chas. Dillon up to October 5th, 5 P. M., for the improvement of the alley in Block 177 by grading; construction of 2x6 redwood curbs and paved with a 4-inch cement concrete base with a bitulithic wearing surface 1½ inches thick.

Improvement of Van Ness avenue from Olive avenue to University avenue by grading construction of cement concrete gutters, and corrugated

iron culverts and laying a 5-inch crushed rock base with a 2-inch bitulithic wearing surface.

Improvement of portions of Plumas street by the construction of 6-inch lateral sewers.

OAKLAND, Cal.—Bids will be received by Henry F. Vogt, Secretary of the Board of Park Directors, up to October 7th, 2 P. M., Room 407, City Hall, for the construction of approximately 14,000 square feet of oiled walks in Peralta Park.

MARTINEZ, Contra Costa Co., Cal.—The City Trustees, E. A. Major, City Clerk, pro tem, have passed resolution of intention (No. 111-B) providing for the improvement of portions of High, Talbart, Main, Escobar, Howard, Castro, Smith and Berrellesa streets and certain intersections thereof and the intersection of Foster, Talbart and High streets, by grading, curbing, paving, sewerage, draining, etc., and the construction of culverts.

LOS ANGELES, Cal.—The City Council has released George H. Oswald from his contract, made before the war, for the improvement of West First street. The work was held up by the capital issues committee and was never started and council did not consider it fair to compel him to carry out the contract under present conditions. It is probable new proceedings for the improvement will be instituted.

SAN DIEGO, Cal.—The county highway commission has submitted a report to the supervisors of San Diego County, recommending the construction of 134.18 miles of paved roads estimated to cost \$2,300,000, to be provided by a bond issue. The commission recommends concrete paving. The roads to be improved are: From end of Camp Kearny paved road via Esccondido, San Marcos, Vista, Bonsall and Fallbrook to Riverside county line, 53.4 miles; Oceanside through San Luis Rey valley to Vista-Fallbrook road, 8.8 miles; El Cajon via Santee, Lakeside, Ramona, and Santa Ysabel to Julian, 44.3 miles; San Diego via Lemon Grove and Spring Valley to La Mesa, 6 miles; National City via Highland Ave. to San Diego, 1.58 miles; Coronado to Imperial beach via Ream field to Nestor, and via Palm City to Chula Vista, 13.1 miles; Chula Vista via Sweetwater valley to Bonita, 2 miles; Spring Valley Junction, south of La Mesa, towards Jamacha, 2 miles; Bernardino-Esccondido junction east in San Pasqual valley, 2 miles. The members of the commission are Col. Ed Fletcher, chairman; F. M. White and Sherwood Wheaton.

SACRAMENTO, Cal.—George J. Calder has been appointed Construction Engineer for the Sacramento River Filtration Plant of the City of Sacramento.

Calder is well known in building circles of Sacramento. He was Supervisor of Construction at the Washington School and has handled several other large jobs here.

This is the third appointment Brown has made for the filtration plant. Major Charles G. Hyde will be Chief

Consulting Engineer, and George N. Handle, his assistant.

SACRAMENTO, Cal.—The County Highway Commission has rejected bids received for the improvement of one mile of the Jackson Road, just beyond Perkins and the work has been ordered done under the supervision of the County Surveyor.

SALINAS, Monterey Co., Cal.—No bids were received by the County Supervisors for the following road improvements and the work was ordered done under the day labor system:

Jamesburg-Arroyo Seco road in the Tulareitos district, the Nashua-Blanco road, and Alta street in Gonzales.

T. P. Joy is County Clerk.

OAKLAND, Cal.—Bids will be received by L. W. Cummings, City Clerk, up to 12 M., October 2nd, for the improvement of Octavia street from the southwest line of Bonamin avenue to the northeast line of Allendale avenue by grading; constructing concrete gutters, redwood curbing and paving with an oil macadam pavement and the construction of cement concrete sidewalks.

MARTINEZ, Contra Costa Co., Cal.—J. H. Wells, County Clerk, will receive bids up to October 6th, 11 A. M., for the furnishing of materials and labor and construction of a road with macadam base on Wills Avenue adjoining the Town of Antioch, lying between the south incorporated limits of the Town of Antioch and Southern Pacific Depot, a distance of 4.126 lineal feet.

GRASS VALLEY, Nevada Co., Cal.—The City Trustees have awarded a contract to the Grass Valley Lumber Co., Grass Valley, at \$1,500 for furnishing and delivering cement to be used in the improvement of East Main street.

CLIFTON, Ariz.—Until 8 P. M., Oct. 29, bids will be received by E. R. Shortridge, town clerk of Clifton, for constructing a sewer system comprising about seven miles of 6 to 15-in. pipe, two syphons and an Imhoff treatment tank. Plans and specifications may be purchased for \$2.50, postage included, from Olmsted & Gillean, Consulting Engineers, Hollingsworth Bldg., Los Angeles, or from A. J. Kerr, Town Engineer, Clifton. The contract will involve the following bids being taken on both vitrified clay and cement pipe: 15,950 ft. 6-in. 11,200 ft. 8-in., 3180 ft. 10-in., 4785 ft. 12-in. and 2025 ft. 15-in. vitrified cement pipe; 360 6-in. Y's on 6-in., 324 6-in. Y's on 8-in., 90 6-in. Y's on 10-in., and 26 6-in. Y's on 12-in. pipe; 500 ft. 6-in. Class A cast iron pipe; 40 anchor ties; 14,365 lin. ft. trenching 4 ft. or under in depth; 15,605 ft. trenching 4 to 6 ft.; 4325 ft. trenching 6 to 8 ft.; 850 ft. trenching 8 to 10 ft.; 275 ft. trenching 10 to 12 ft.; 760 ft. trenching 12 to 14 ft.; 850 ft. trenching 14 to 16 ft.; 100 ft. trenching 16 to 18 ft.; and 100 ft. trenching 18 to 20 ft.; 133 manholes 5 ft. deep and 32 averaging 8 ft. deep; one 10-in. Class B cast iron pipe siphon 380 ft. long; one crossing San Francisco river; one 8-in. Class B cast iron siphon 45 ft. long crossing Chase creek. There will be an Imhoff tank, 20x28 ft., reinforced concrete construction, from which the treated

sewage will be discharged into the river. Bonds to the amount of \$150,000 have been voted for the work.

BERKELEY, Alameda Co., Cal.—The City Council has awarded a contract to Bates & Borland, Oakland Bank of Savings Bldg., Oakland, for the improvements of portions of Fourth street by grading, construction of redwood curbs and concrete gutters and macadamizing between gutters with asphalt surfaced macadam. A. G. Briggs is City Clerk.

OAKLAND, Alameda Co., Cal.—City Commissioner of Streets W. J. Baucus has submitted a plan to the City Council for relieving the congestion of traffic in Twelfth street between Fallon street and First avenue. Under the plan offered it is proposed to extend Lakeshore boulevard from Twelfth street to Tenth street and the extension of Tenth street from Fallon street to Second avenue. The work is estimated to cost \$20,000.

RICHMOND, Contra Costa Co., Cal.—The City Council has awarded a contract to G. W. Cushing, 2005 Roosevelt Ave., Richmond, for the improvement of 47th street between the south line of Cutting Boulevard and the north line of Potrero avenue by grading, and paving with a 5-inch cement concrete base with a wearing surface of asphalt and broken rocks; construction of curbs, sidewalks, gutters and open drains of cement concrete; culverts of corrugated iron and cement concrete or steel and replacing of manholes. A. C. Faris is City Clerk.

SACRAMENTO, Cal.—Following bids were received by the City Commission for the improvement of "U" street from 31st to 24th:

A. Teichert & Son, Ochsner Bldg., Sacramento, approximately, \$11,000.

McGillivray Constr. Co., approximately, \$12,000.

Clark & Henery Constr. Co., approximately, \$15,000.

MADERA, Madera Co., Cal.—City Clerk Lillian W. Rhodes will receive bids up to October 6th for the purchase of street improvement bonds in the sum of \$6,536.70. Proceeds of the sale will finance street improvements.

SANTA CRUZ, Santa Cruz Co., Cal.—The City Council has taken the bid of Blanchard, Crocker & Howell, 58 Second St., San Francisco, at \$47,267.57 for the improvement of Seabright avenue.

The Western Pipe & Steel Co., 444 Market street, San Francisco, submitted the low bid for the corrugated iron culverts for the above work at \$1,043.28.

EL CENTRO, Imperial Co., Cal.—The county highway commission has issued a statement informing the voters of Imperial county that the \$1,500,000 bond issue recently voted, will not cover the cost of constructing the proposed paved highways. Investigation has revealed that the roads cannot be built at less than a cost of approximately \$20,000 per mile and the commission states that it does not desire to proceed with the work unless assured the people will

vote additional bonds. A final survey is being made and the commission is practically ready to begin letting contracts. The commission consists of F. S. Lack, chairman; L. J. Thomas and Case Abbott.

SEATTLE, Wash.—The Board of Public Works has awarded a contract to Florito Bros., Seattle, at \$79,017 for the laying of an 8-inch concrete surface on Westlake avenue north along the shores of Lake Union from Valley street to the canal.

SEATTLE, Wash.—City Engineer C. H. Dimock has completed plans for the paving of Westlake Avenue, North, which he estimates to cost as follows: 7-inch concrete surfacing, \$75,347, and for an 8-inch concrete paving, \$80,822.

Plans have also been completed for the 63rd avenue S. W. trunk sewer which Dimock estimates to cost as follows:

Brick and clay pipe sewer, \$166,859.

Brick and concrete sewer, \$164,487.

36-inch brick, 42-inch concrete and

clay pipe, \$165,552.

36-inch brick, 42-inch concrete and concrete pipe, \$163,180.

Remoulded concrete and clay pipe,

\$159,744.

Remoulded concrete and concrete

pipe, \$157,372.

Segmental block and clay pipe sewer,

\$159,744.

Segmental block and concrete pipe

sewer, \$157,372.

PRESCOTT, Ariz.—Southwestern Construction Co., submitted a bid of \$76,944.44 for paving Mt. Vernon St. West Construction Co. of Tucson, submitted a bid of \$79,160.71. The bids were taken under advisement.

SOMERTON, Ariz.—The city council has started proceedings for a bond election to vote on issuing \$50,000 bonds to construct a municipal water system. Olmsted & Gillesen, Hollingsworth Bldg., Los Angeles, are the engineers.

GLOBE, Ariz.—An election to vote on issuing \$250,000 bonds to remodel the present city pumping plant and relay the city water mains with cast iron pipe is contemplated. Johnson & Benham, Firestone Bldg., Kansas City, Mo., are the engineers.

LOS ANGELES, Cal.—The Southern Counties Gas Co. has applied to the State Railroad Commission for authority to issue \$631,500 bonds. The company proposes to expend \$540,000 on improvements, including the following: Extensions to compressor and boiler house, Santa Barbara, \$4000; two million cubic feet storage holder, Long Beach, \$200,000; pipe line, Oak Ridge to Santa Paula, \$16,200; pipe line, Santa Paula-Fillmore, \$48,000; pipe line to connect Brea-Pomona line with Southern California Gas Co., east of Chino, \$53,100; 1600 meters, \$19,500.

SAN FRANCISCO.—City Engineer M. M. O'Shaughnessy has completed plans and specifications for the construction of a reinforced concrete sewer in the Presidio Reservation from Locust street northly and the Board of Public Works has requested the Supervisors to authorize construction. The estimate cost is \$13,000.

PHOENIX, Ariz.—The \$1,300,000 bond issue voted to construct a gravity water system for the city of Phoenix was sold to Fowell, Gerard & Co., of Chicago, and Sweet, Causey, Foster & Co. of Denver, bidding jointly, at par with a discount of \$20,000 to the purchasers for expenses. The sale carries with it an optional serial redemption agreement, permitting 1-30 of the principal to be paid annually.

HUNTINGTON BEACH, Orange Co., Cal.—Bonds to the amount of \$40,000 have been voted to construct a new gas distributing system for the city. Olmsted & Gillesen, and J. M. Berkley, associated engineers, Hollingsworth Bldg., Los Angeles, are in charge of the work.

FRESNO, Fresno Co., Cal.—Bids will be received by the County Supervisors, D. M. Barnwell, County Clerk, up to October 17th, 2 P. M., for the construction of the following stretches of the county highway system planned under the recent bond issue:

NOTE:—Estimate quantities and copies of official proposals for these projects may be seen at the office of the L. A. Larsen Construction Reports, 560 Mission Street, 4 Floor, San Francisco.

For improving county highway Route Nos. 1, 5, 6, 9, 10, 11 and 19 Section "A."

For improving county highway Route No. 15, Section "B" and part of Section "A."

And for the improvement of Jensen avenue at crossing of railroad tracks.

Plans may be seen at the office of the County Surveyor, Cory Bldg., Fresno, Calif.

RAILROADS

DALHART, Texas.—Construction of a railroad between Dalhart and Lubbock, a distance of about 200 miles, is planned by the Panhandle Short Line Railway, just incorporated with general offices here. The route of the proposed line is through the extreme western part of the upper Panhandle region of the state. It will open up to development a territory that is now 30 to 40 miles removed from the nearest railroad point. The company has a capital stock of \$300,000. It is reported that the Atchison, Topeka & Santa Fe Railroad is back of the new project, but there is no evidence of this from the list of incorporators. They are: S. M. Porter of Caney, Kan.; E. G. Cook, W. R. Ferguson, C. O. Vernon, M. McGinley, J. H. King, W. A. Pritchard, W. A. Squires, A. E. Brown, E. B. Pollard, T. L. Leichman, J. P. Wanbeam and John Phillips.

FIRE EQUIPMENT

WOODLAND, Yolo Co., Cal.—The City Trustees have decided that after the City Hall has been remodeled the question of motorizing the fire department will be taken up. Funds for the purchase of the apparatus will probably be raised by bond issue.

LIVERMORE, Alameda Co., Cal.—The City Trustees are considering the offer of the Gamewell Fire Alarm Co. for the installation of a modern fire alarm system (12-box) at a cost of \$3,000.

CONTRACTS AWARDED

Liens, Acceptances, Etc.

BUILDING CONTRACTS,

San Francisco County

The following is an index for the contracts for this issue:

No.	Owner	Contractor	Amt.
2038	Siebrecht	Lapham	11000
2039	Lachmann	Binet	800
2040	Nelson	Nelson	6000
2041	Nelson	Nelson	12000
2042	Maskey	Schultz	4000
2043	Blair	Diston	1200
2044	Lafin	Merchant	1500
2045	Quarz	Durham	450
2046	Ast	Ast	1000
2047	Bennett	Kronnick	600
2048	Hubert	Hubert	400
2049	Pacific G & E	McClure	19000
2050	Henno	Clare	200
2051	McCarthy	Barrett	12000
2052	Palvey	Palvey	1000
2053	Johnson	Johnson	2900
2054	Turner	Coggins	1500
2055	Snake Drug Co	Jones	1800
2056	Bourdet	Loustmann	400
2057	Vaysie	Vaysie	400
2058	Meagher	Muller	600
2059	Wymore	Monson	900
2060	Kitchener	Ahl	3800
2061	Briscoe	Hathcock	1500
2062	Morbio	Morbio	5000
2063	Donivan	Chase	400
2064	Kramer	Carillon	400
2065	Corridan	Corridan	400
2066	Sheldon	Swenson	450
2067	Allen	Hamill	8000
2068	Allen	Hamill	30000
2069	Cowen	Bretcher	2175
2070	Morris	Morris	6000
2071	Same	Same	7500
2072	R C Archbishop	Owens	25000
2073	Levi	Levi	3000
2074	Sutro	Sutro	5750
2075	Sutro	Sutro	5750
2076	Sutro	Sutro	5750
2077	Sutro	Sutro	5750
2078	Sutro	Sutro	5750
2079	Sutro	Sutro	5750
2080	Sutro	Sutro	5750
2081	Sutro	Sutro	5750
2082	Sutro	Sutro	5750
2083	Borghausen	Owens	1500
2084	Abbate	Demartini	1500
2085	Finkelstine	Hinson	475
2086	Cortese	Poncoro	750
2087	Lecoures	Partidos	400
2088	Sloss	Amer Conc	3800
2089	Langley	Hinson	5180
2090	Same	Arras	6260
2091	Stewart	Moore	3995
2092	Savory	Savory	60000
2093	Gerard Ivst	Owner	150000
2094	Seaboard Bk	Stockholm	6000
2095	Bunyan	Barrett	1000
2096	Rittigstein	Cohn	1000

FRAME DWELLING

(2038) NE ANZA AND FIFTEENTH Ave N 35x E 72-6 O L 270. All work for two-story frame dwelling.

Owner—Blanche Siebrecht w/ Adolph, 167 17th Ave., San Francisco.
 Architect—W. H. Weeks and A. R. Lapham, 485 36th Ave., S. F.
 Contractor—Alton R. Lapham, 485 36th Ave., San Francisco.

Filed Sept. 22, '19. Dated Aug. 8, '19.
 Frame up\$2750
 Brown coated and rough plumbing in 2750
 Completed and accepted 2750
 Usual 35 days 2750

TOTAL COST, \$11,000
 Bond \$2750. Surety, C. R. Spooner.
 Limit, forfeit, none. Plans and specifications filed.

MOVE FLATS, ETC.

(2039) W CAPP 120-2 S 16th. Move flats, foundation, etc.

Owner—Gas. Lachmann, Mission and 16th, San Francisco.
 Architect—None.
 Contractor—John J. Binet Co., 68 Ramona, San Francisco.

COST, \$800

FRAME DWELLING

(2040) N PLYMOUTH 122½ N San Ramon. One-story and basement frame dwelling.

Owner—Nelson Bros., 30 Northwood Drive, San Francisco.
 Architect—Chas. Strothoff, 2276 15th, San Francisco.

Day's work. COST, \$6000

DWELLINGS

(2041) W MIRAMAR 63 and 103 N Westwood. Two one-story and basement frame dwellings.

Owner—Nelson Bros., 30 Northwood Drive, San Francisco.
 Architect—Chas. Strothoff, 2276 15th, San Francisco.

Day's work. COST, \$6000 each

ALTERATIONS

(2042) NO. 46 KEARNY. Move partitions and waterproof floor.

Owner—Anna Maskey, 52 Kearny St., San Francisco.
 Architect—Norman R. Coulter, 46 Kearny St., San Francisco.

Contractor—Schultz Constr. Co., 46 Kearny, San Francisco.

COST, \$4000

ELEVATOR

(2043) NO. 544 FUNSTON AVE. Install hydraulic elevator.

Owner—J. Blalr, Premises.
 Architect—None.
 Contractor—A. E. Disston, 1021 Clement, San Francisco.

COST, \$1200

ALTERATIONS

(2044) NE CLEMENT AND SECOND Ave. Alter for store.

Owner—Miss Adele Lafin, 828 Ashbury, San Francisco.
 Architect—None.
 Contractor—C. T. Merchant, 180 Jessie, San Francisco.

COST, \$1500

ADDITION

(2045) NO. 3845 CALIFORNIA. Add porches to dwelling.

Owner—Richard Quarg, NE Powell & O'Farrell, San Francisco.
 Architect—None.
 Contractor—T. J. Durham, 1443 Fillmore, San Francisco.

COST, \$450

ALTERATIONS

(2046) S SIXTEENTH 50 E Sanchez Alter and re-construct three-story frame flats.

Owner—Mrs. Anna Ast, Cr. Architect.
 Architect—Wm. A. Newman, 402 Post Office Bldg., San Francisco.

Day's work. COST, \$1000

REPAIRS

(2047) NO. 1975 SUTTER. Repair fire damage to dwelling.

Owner—A. W. Bennett, 140 Geary St., San Francisco.
 Architect—None.
 Contractor—Kronnick Bros., 1659 O'Farrell, San Francisco.

COST, \$600

FRAME SHED

(2048) SE ARMY AND FOLSOM. One story frame shed.

Owner—A. Hubert, 3183 Army, S. F.
 Architect—None.

Day's work. COST, \$400

EXCAVATING, ETC.

(2049) E HOWARD AND FIFTH NE 150xSE 155. Excavating, grading, bulkheading, raze brick walls or foundations, etc., for building.

Owner—Pacific Gas & Electric Co. (a corp), 445 Sutter, San Francisco.

Architect—Wm. Knowles, Hearst Bldg. San Francisco.

Contractor—H. N. McClure, 604 Octavia, San Francisco.

Filed Sept. 23, '19. Dated Sept. 23, '19.

15th of each month..... 75%
 \$1.25 per cu. yd. of debris excavated and removed; 16 cents for each sq. ft. of bulkheading; and money equal to the cost of labor performed in razing brick walls or foundations plus a sum equal to 10%.

TOTAL COST not to exceed \$19,000.
 Bond, \$10,000. Sureties, I. B. Dalziel and J. O'Shea Co. Limit, 46 days. Forfeit, none. Plans and specifications filed.

ALTERATIONS, ETC.

(2050) LOT 2 BLK "C." Lakeview. Moving, alterations and additions to dwelling.

Owner—Louis F. and Lillian Henno, 4 Bruce St., San Francisco.

Architect—None.

Contractor—Olaf Olsen, 1214 Stanyan, San Francisco.

Filed Sept. 23, '19. Dated Sept. 22, '19.

Moved, raised and basement enclosed\$500
 Rough plumbing in and plaster enclosed 500
 Completed and accepted 500
 Usual 35 days 500

TOTAL COST, \$2000
 Bond, \$1000. Sureties, C. E. Hubacher and C. L. Meyer. Limit, 80 days. Forfeit, none. Plans and specifications filed.

FRAME FLATS

(2051) E ATALAYA 161-11 N Fulton. Two-story and basement frame (2) flats.

Owner—Clarence McCarthy, Cr. Architect.

Architect—Benj. S. Hirschfeld, 251 Kearny, San Francisco.

Contractor—Barrett & Hilp, Sharon Bldg. San Francisco

COST, \$12,000

FRAME FLATS

(2052) NW GEARY AND TWENTY-eighth Ave. Two-story and basement frame (4) flats.
Owner—A. J. Falvey, 124 Clayton, San Francisco.
Architect—None.
Day's work. COST, \$10,000

FRAME DWELLING

(2053) W TWENTIETH AVE 266-8 S Taraval. One-story and basement frame dwelling.
Owner—Louis Johnson, 2260 19th Ave., San Francisco.
Architect—None.
Day's work. COST, \$2,900

ALTERATIONS

(2054) NO. 134 GOLDEN GATE AVE. Alter for offices.
Owner—Turner & Dahnen Co., Prem. Architect—None.
Contractor—L. M. Coggins, 115 Turk, San Francisco.
COST, \$1,500

ADDITION

(2055) NO. 129 KEARNY. Add mesanline floor for store.
Owner—Snake Drug Co., Premises. Architect—Herman Barth, Phelan Bldg., San Francisco.
Contractor—W. G. Jones, 2412 Pacific Ave., San Francisco.
COST, \$1,800

ADDITION

(2056) NO. 521 ELEVENTH AVE. Add porch 2 stories high for dwlg.
Owner—Joseph Bourdet, 1047 McAllister, San Francisco.
Architect—None.
Contractor—J. Loustmann, 553 Cedar, San Francisco.
COST, \$400

NEW FRONT

(2059) SW SEVENTH AND STEVEN-son. New front.
Owner—Alex Vayssie et al, Odeon Hotel, San Francisco.
Architect—Fabre & Bearwald, 625 Market, San Francisco.
Day's work. COST, \$400

FRAME STORE HOUSE

(2058) NO. 1621 SAN BRUNO AVE. One-story frame store house.
Owner—J. Meagher, 1626 San Bruno Ave., San Francisco.
Architect—None.
Contractor—C. F. Muller, 84 28th, San Francisco.
COST, \$600

FOUNDATION, ETC.

(2059) NO. 1159 HOWARD. Brick foundation, etc.
Owner—W. T. Wymore, Cr. Contractor Architect—None.
Contractor—Monson Bros., 180 Jessie, San Francisco.
COST, \$900.

ALTERATIONS

(2060) NW BATTERY AND MARKET. Alter for store.
Owner—Kitchener & Schmetian, 160 Powell, San Francisco.
Architect—None.
Contractor—G. E. Ahl, 1237 2nd Ave., San Francisco.
COST, \$3,800

ALTERATIONS

(2061) S HOWARD 100 W Ninth. Alter for bakery.
Owner—Briscoe Bakery, Premises. Architect—None.
Contractor—A. G. Hatcher, 230 Te-hama, San Francisco.
COST, \$1,500

FRAME STORE BUILDING

(2062) LOTS 9 AND 10 BLK 3196, Westwood Park. One-story frame building (3) stores.
Owner—A. and C. S. Morbio, 729 Call Bldg., San Francisco.
Architect—None.
Contractor—Adolph Morbio, 744 Call Bldg., San Francisco.
COST, \$5,000

ALTERATIONS

(2063) NO. 940 HAIGHT. Alter for private garage.
Owner—H. Donivan, Premises. Architect—None.
Contractor—S. A. Chase, 80 Douglass, San Francisco.
COST, \$400

ALTERATIONS

(2064) NO. 4029 TWENTY-THIRD. Alter basement for garage.
Owner—Mrs. Kramer, Premises. Architect—None.
Contractor—Chas. A. Carillon, 180 Jessie, San Francisco.
COST, \$400

ALTERATIONS

(2065) NO. 246 TEXAS. Alter and enlarge dwelling.
Owner—Thos. Corridan, Premises. Architect—None.
Day's work. COST, \$400

ALTERATIONS

(2066) NO. 451 MARKET. Alter for restaurant.
Owner—Mark Sheldon, Sheldon Bldg., San Francisco.
Architect—None.
Contractor—Swenson & Franzen, 145 Natoma, San Francisco.
COST, \$450

FRAME DWELLING

(2067) E TWENTY-NINTH AVE 62½ N Lake. Two-story and basement frame dwelling.
Owner—Allen & Co., 125 Sutter St., San Francisco.
Architect—Earl B. Bertz, 68 Post St., San Francisco.
Contractor—Thos. Hamill, 4101 Balboa St., San Francisco.
COST, \$8,000

FRAME DWELLINGS

(2068) E TWENTY-NINTH AVE 178-2 216 and 233½ N Lake. Three two-story and basement frame dwlg's.
Owner—Allen & Co., 125 Sutter St., San Francisco.
Architect—Earl B. Bertz, 68 Post St., San Francisco.
Contractor—Thos. Hamill, 4101 Balboa St., San Francisco.
COST, \$10,000 each

ALTERATIONS

(2069) NO. 225 FRONT. All work for alterations and additions to one-story store building (brick).
Owner—M. S. Cowen & Co., 214 Front, San Francisco.
Architect—W. H. Crim Jr., 425 Kearny, San Francisco.

Contractor—Brutcher & Serna, 180 Jessie, San Francisco.
Filed Sept. 25, '19. Dated Sept. 18, '19.
Plastering completed and mill work delivered \$ 540
Completed and accepted 1091
Usual 35 days 544
TOTAL COST, \$2175

Bond, \$1090. Sureties, Chas. A. Carillon and Jno. Flaherty. Limit, 40 days. Forfeit, none. Plans and specifications filed.

FRAME BUNGALOW

(2070) LOT 18 BLK 3176, Westwood Park. All work for one-story and basement frame bungalow.
Owner—Linnie Morris, 132 Judson Av., San Francisco.
Architect—Willard W. Beatty, 54 Eastwood Drive, San Francisco.
Contractor—Gordon W. Morris, 132 Judson Ave., San Francisco.
Filed Sept. 25, '19. Dated Aug. 27, '19.
Enclosed and roof on \$1500
Brown coated 1500
Completed and accepted 1500
Usual 35 days 1500
TOTAL COST, \$6000

Bond, \$3000. Sureties, D. C. Brown & Geo. Y. Morton. Limit, 90 days. Forfeit, none. Plans and specifications filed.

NOTE:—1st report No. 2014, Sept. 19.

(2071) E MIRAMAR 370 S Wildwood, being lot 8 and N 10 feet lot 9, block 3190, Westwood Park. All work for one-story and basement frame garage.

Owner—Linnie Morris, 132 Judson, San Francisco.
Architect—A. W. Smith, 1010 Broadway, Oakland.
Contractor—Gordon W. Morris, 132 Judson, San Francisco.

Filed Sept. 25, '19. Dated Aug. 27, '19.
Enclosed and roofed \$1875
Brown coated 1875
Completed and accepted 1875
Usual 35 days 1875
TOTAL COST, \$7,500

Bond, \$3750. Sureties, D. C. Brown and Geo. Y. Morton. Forfeit, none. Limit, 90 days. Plans and specifications filed.
No. 2015 reported Sept. 19.

SCHOOL

(2072) NW SANCHEZ AND VALLEY. Three-story brick and concrete gymnasium and school, 100x51-6.
Owner—Roman Catholic Archbishop of San Francisco, 1100 Franklin St., San Francisco.
Architect—Frank Shea and John Lofquist, Chronicle Bldg., S. F.
Day's work. COST, \$25,000

ALTERATIONS

(2073) SW BATTERY AND PINE. Enlarge entrances on corner.
Owner—Levi Strauss Realty Co.
Architect—Bliss & Faville, 1001 Balboa Bldg., San Francisco.
Day's work. COST, \$3,000

BUNGALOW

(2074) NE FORTY-FOURTH AVE & Geary. One-story and basement frame bungalow, 24x50.
Owner—Mrs. Henrietta L. B. Sutro.
Architect—E. E. Young, 251 Kearny, San Francisco.
Day's work and Sub-Contracts. COST, \$5750

BUNGALOW

(2075) W FORTY-FOURTH AVE N
Geary. One-story and basement
frame bungalow, 24x50.

Owner—Mrs. Henrietta L. B. Sutro.
Architect—E. E. Young, 251 Kearny,
San Francisco.

Day's work and Sub-Contracts.
COST, \$5750

BUNGALOW

(2076) SE FORTY-FOURTH AVE &
Geary. One-story and basement
frame bungalow, 24x50.

Owner—Mrs. Henrietta L. B. Sutro.
Architect—E. E. Young, 251 Kearny,
San Francisco.

Day's work and Sub-Contracts.
COST, 5750

BUNGALOW

(2077) E FORTY-FIFTH AVE 76 N
Geary. One-story and basement
frame bungalow, 24x50.

Owner—Mrs. Henrietta L. B. Sutro.
Architect—E. E. Young, 251 Kearny,
San Francisco.

Day's work and Sub-Contracts.
COST, \$5750

BUNGALOW

(2078) SE FORTY-FIFTH AVE AND
Geary. One-story and basement
frame bungalow, 24x50.

Owner—Mrs. Henrietta L. B. Sutro.
Architect—E. E. Young, 251 Kearny,
San Francisco.

Day's work and Sub-Contracts.
COST, \$5750

BUNGALOW

(2079) E FORTY-FIFTH AVE 38 N
Geary. One-story and basement
frame bungalow, 24x50.

Owner—Mrs. Henrietta L. B. Sutro.
Architect—E. E. Young, 251 Kearny,
San Francisco.

Day's work and Sub-Contracts.
COST, \$5750

BUNGALOW

(2080) NE FORTY-FIFTH AVE &
Geary. One-story and basement
frame bungalow, 24x50.

Owner—Mrs. Henrietta L. B. Sutro.
Architect—E. E. Young, 251 Kearny,
San Francisco.

Day's work and Sub-Contracts.
COST, \$5750

BUNGALOW

(2081) N GEARY 96 E 45th Ave. One
story and basement frame bungalow,
24x50.

Owner—Mrs. Henrietta L. B. Sutro.
Architect—E. E. Young, 251 Kearny,
San Francisco.

Day's work and Sub-Contracts.
COST, \$5750

BUNGALOW

(2082) S GEARY 97 E 45th Ave. One
story and basement frame bungalow,
24x50.

Owner—Mrs. Henrietta L. B. Sutro.
Architect—E. E. Young, 251 Kearny,
San Francisco.

Day's work and Sub-Contracts.
COST, \$5750

ALTERATIONS

(2083) NE BUSH AND GRANT AVE.
Alter for store.

Owner—J. H. Berghauer, 333 Kearny,
San Francisco.

Architect—Earle B. Bertz, Foxcroft
Bldg., San Francisco.

Day's work. COST, \$1500

ALTERATIONS

(2084) NO. 1212 EIGHTEENTH. Raise,
underpin and alter dwelling.

Owner—L. Abbate, Premises.
Architect—None.
Contractor—Fred Demartini, 52 Winter
Place, San Francisco.

COST, \$1500

ALTERATIONS

(2085) NO. 56-58 DIAMOND. Alter
dwelling.

Owner—L. Finkelstine, 41 Powell St.,
San Francisco.

Architect—None.
Contractor—L. A. Hinson, 1228 Grove,
San Francisco.

COST, \$475

ALTERATIONS

(2086) NO. 228 COLUMBUS. Alter for
store.

Owner—E. Cortese, Premises.
Architect—Italo Zanolini, 604 Mont-
gomery, San Francisco.

Contractor—J. Ponsero, 10 Stark, S. F.

COST, \$750

ALTERATIONS

(2087) NO. 232 O'FARRELL. Alter
for restaurant.

Owner—C. Lecocures, Premises.
Architect—None.
Contractor—S. Partidos, 432 23rd Ave.,
San Francisco.

COST, \$400

EXCAVATING ETC.

(2088) SW GEARY & FIFTEENTH
Ave W 142 S 100 E 39-54 SE 5 in.
E 102-53 — 100-5. Excavating,
grading, backfilling, concrete and
cement work for two three-story
and basement frame apartment
houses.

Owner—Ben. Schloss.
Architect—August G. Headman, Call
Bldg., San Francisco.

Contractor—American Concrete Co.,
Humboldt Bank Bldg., S. F.

Filed Sept. 26, '19. Dated Sept. 23, '19.
Concrete foundations done....\$1800

Completed and accepted..... 1050
Usual 35 days..... 950

TOTAL COST, \$3800

Bond, \$1900. Sureties, Lee Shirar and
Jos. Burroni. Limit, 30 days. Forfeit,
\$10. Plans and specifications filed.

(2089) E VALENCIA 135 S McCoppin
S 50xE 167-6. Alterations and addi-
tions to garage building, except ex-
cavation, concrete, steel, cement and
brick work.

Owner—Chas. F. Langley and Mille L.
Wright.

Architect—Arthur S. Eugbee, Sharon
Bldg., San Francisco.

Contractor—L. A. Hinson, 1228 Grove,
San Francisco.

Filed Sept. 26, '19. Dated Sept. 22, '19.
Roof in place and sheathed....\$1943

Completed and accepted..... 1942
Usual 35 days..... 1295

TOTAL COST, \$5180

Bond, \$2590. Sureties, Fibrestone &
Roofing Co. and F. E. Hooper. Limit,
30 days. Forfeit, none. Plans and
specifications filed.

(2090) EXCAVATION AND FILL
concrete reinforcing steel, cement
plaster, brick and Fenestra sash on
above.

Contractor—Adam Arras, 65 Hoff Ave.,
San Francisco.

Filed Sept. 26, '19. Dated Sept. 22, '19.
Concrete walls poured.....\$2347
Completed and accepted..... 2348
Usual 35 days..... 1565

TOTAL COST, \$6260

Bond, \$3130. Sureties, A. D. Collman
and Chas. J. U. Koenig. Limit, 45
days. Forfeit, \$10. Plans and speci-
fications filed.

ALTERATIONS

(2091) NO. 353 GEARY. All work for
alterations and additions to Hotel
Stewart.

Owner—Chas. A. and Margaret Stew-
art (The Hotel Stewart, a corp.),
Premises.

Architect—George E. McCrea, 1st Na-
tional Bank Bldg., Oakland.

Contractor—Clarence M. Moore and
George E. Watson (Cptn.), 110 Jes-
sie, San Francisco.

Filed Sept. 26, '19. Dated Sept. 25, '19.
On 1st of each month..... 75%
Usual 35 days..... 25%

TOTAL COST, \$3995

Bond, \$2000. Sureties, Wm. Williams
and Frank Thompson. Limit, 60 days.
Forfeit, none. Plans and specifications
filed.

APARTMENTS

(2092) S SUTTER 160-5 E Jones. Five
story reinforced concrete (31) apart-
ments, 45x100.

Owner—John R. Savory, 1540 Clay St.,
San Francisco.

Architect—Rousseau & Rousseau, 110
Sutter St., San Francisco.

Day's work and Sub-Contracts
COST, \$60,000

AUTO SALES ROOMS

(2093) NE HYDE AND POST. Three-
story and basement reinforced con-
crete auto sales rooms, 77½x137-6.

Owner—Gerard Investment Co., 110
Sutter St., San Francisco.

Architect—Rousseau & Rousseau, 110
Sutter St., San Francisco.

Day's work and Sub-Contracts.
COST, \$150,000

ALTERATIONS

(2094) SW BEALE AND MARKET.
Alter interior of bank.

Owner—Seaboard National Bank,
Premises.

Architect—B. G. McDougall, Sheldon
Bldg., San Francisco.

Contractor—Chas. Stockholm, Monad-
nock Bldg., San Francisco.

COST, \$6000

ALTERATIONS

(2095) NO. 3179 MISSION. Cement
plaster exterior of dwelling, new
stairs, concrete foundation and floor.

Owner—Thos. Eunyan, Premises.
Plans by Owner.

Contractor—Barrett & Hulp, Sharon
Bldg., San Francisco.

COST, \$2000

ALTERATIONS

(2096) W MONTGOMERY 40 N Suter.
New front, mezzanine floor,
electric work, plumbing and painting
for store.

Owner—Frank Rittigstein, 75 Mont-
gomery, San Francisco.

Architect—None.
Contractor—Louis J. Cohn, 625 Market
San Francisco.

COST, \$1000

COMPLETION NOTICES.

San Francisco County

Sept. 26, 1919—NE ANZA AND 25th Ave. Chas A Johnson to whom it may concern.....Sept. 26, 1919
 Sept. 26, 1919—W TWENTY-FIFTH AVE 270 S Anza S 30xW 120. G Chafetopulos to D Houle.....Sept. 26, 1919
 Sept. 22, 1919—SE RAILROAD AND Oakdale Aves N 71 E to Mendel S to Oakdale thence to beg. Regina Lumpf to O Monson.....Sept. 20, 1919
 Sept. 26, 1919—E POST 192-6 W Leavenworth W 55 xS 137-6. Louis D Stoff to whom it may concern.....Sept. 26, 1919
 Sept. 23, 1919—E TWENTY-THIRD AVE 125 S Judah S 25 E 102-8 SW 150-4 m or 1 E 28 m or 1 N 175 W 120. Edward W and Etta S Perkins to E Weiland.....Sept. 18, 1919
 Sept. 22, 1919—W LISBON 125 S Amazon SE 25x E 100 Lot 23 Elk 7. Crocker Amazon Tract Harry Berry to whom it may concern.....Sept. 22, 1919
 Sept. 22, 1919—NW MISSION AND Embarcadero. Nellie M Lowry, Agnes Lowry and Isabel L Soule to Salina & Talacco.....Sept. 12, 1919
 Sept. 26, 1919—SE CALIFORNIA AND Twelfth Aves 32-6x100. Edward Ginley to whom it may concern.....Sept. 22, 1919
 Sept. 22, 1919—NW LAUREL AND Washington W 82-6xN 100. C J Hillard to R J H Forbes Sept. 13, 1919
 Sept. 19, 1919—W FIFTH AND MARCER AVE 40 N Jackson N 113-11 1/4 NW 74-2 m or 1 W 103-8 1/4 m or 1 S 160 E 52 S 20 E 85-6. Wellman Peck & Co to Hannah Bros. Sept. 13, 1919
 Sept. 19, 1919—SE SECOND AVE & Anza S 25x E 82-6. Axel A Johnson and Johnson to whom it may concern. Sept. 18, 1919
 Sept. 19, 1919—W NINETEENTH AV 325 S Anza; No 555 19th Ave. Wm A Miller & Co to whom it may concern.....Sept. 19, 1919
 Sept. 19, 1919—SE NINETEENTH & Valencia S 160 E 80 S 75 W 80 N 75. P Wm N Wieboldt to Munster & Bornholdt, Frank J. Klimm, W. H. Kirsten, Thero Luetje. Sept. 11, 1919
 Sept. 19, 1919—E TWENTY-FIRST AVE 150 S Balboa S 25x E 120. Kathryn Gomba to whom it may concern.....Sept. 12, 1919
 Sept. 25, 1919—W NINTH AVE & Simpson to whom it may concern. Sept. 24, 1919
 Sept. 24, 1919—W HYDE 57-8 S Bush S 25xW 95. Louis D Stoff to M B McGowan.....Sept. 22, 1919
 Sept. 24, 1919—SE TWENTY-FIFTH & Valencia. Associated Oil Co to Barrett & Hilt. Sept. 13, 1919
 Sept. 24, 1919—NE POST & MASON. Associated Oil Co to Barrett & Hilt.....Aug. 26, 1919

3017 Smith Stanley 500
 3018 Premier Knight 4559
 3019 S P Paraffine 1680
 3020 Shale Bigelow 2964
 3021 Lloyd Morris 12000
 3022 Hamilton McGinty 400
 3023 Pig & Whistle Walker 500
 3024 Craig Valadon 575
 3025 Galvin Doss 600
 3026 London Quigley 400
 3027 Moore Allen 4000
 3028 Eiky Dev Mason 6000
 3029 Kern Kern 5300
 3030 Kern Kern 6000
 3031 Healy Healy 1750
 3032 Walekushan Owner 400
 3033 Henderson Smith 450
 3034 White Malley 8000
 3035 Sturgis ..Pedgrift 10000
 3036 Nat'l Lead Hoyt 6000
 3037 Woolsey Woolsey 3000
 3038 Anderson Anderson 2985
 3039 Horsford Malley 5000
 3040 Norman Sharp 3500
 3041 Lorimer Lorimer 2400
 3042 Duncanson Brookhead 2000
 3043 Murphy Murphy 400
 3044 Carpenter Carpenter 1000
 3045 Zeitler Volckers 450
 3046 Battershill Omer 500
 3046 Henshaw Parker 18950

DWELLING
 (2086) N AGUA VISTA AVE 300 E
 Ave., Oakland. One and one-half-story 5-room dwelling.
 Owner—Walter J. Hustan, 677 42nd, Oakland.
 Architect—None.
 Contractor—Axel Sommarstrom, 109 Sunnyside Ave., Oakland.
 COST, \$4150

DWELLING
 (2087) W SEVENTY-SIXTH AVE 350 N E-14th, Oakland. One-story 5-room dwelling.
 Owner—H. A. Pleitner, 3258 E-14th, Oakland.
 Architect—None.
 Day's work. COST, \$2600

DWELLING
 (2088) E FIFTEENTH AVE 84 N E-16th, Oakland. One-story 5-room dwelling.
 Owner—Frank Jardin, 1624 15th Ave., Oakland.
 Architect—None.
 Day's work. COST, \$2000

ADDITION
 (2089) NO. 664 CHETWOOD AVE., Oakland. Addition.
 Owner—W. L. Webber, Premises.
 Architect—None.
 Contractor—Ahnefeld & Brennan, 3108 Harper, Berkeley.
 COST, \$1000

ADDITION
 (2090) E LEWIS 100 S Railroad Ave S25x E 125, Oakland. All work for addition to brick garage.
 Owner—C. H. Nor, 1107 Chestnut street, Oakland.
 Architect—None.
 Contractor—V. A. Hancock and George H. Lydiksens, 1244 29th Ave., Oakland.
 Filed Sept. 22, '19. Dated Sept. 3, '19.
 Walls ready for trusses\$1329
 Completed and accepted1329
 Usual 35 days1330
 TOTAL COST, \$3988
 Bond, Sureties, Forfeit none. Limit, 35 days. Plans and specifications filed.

ALTERATIONS
 (2091) NO. 2848 GARBBER, Berkeley. Alter and add to dwelling.
 Owner—Vernon A. Smith, 2732 Stuart, Berkeley.
 Architect—None.
 Contractor—Fred W. Peters, 184 Ridgeway Ave., Oakland.
 COST, \$2600

DWELLING
 (2092) W BUENA VISTA WAY 100 W Greenwood Terrace, Berkeley. Two-story 8-room dwelling.
 Owner—B. Frank Gray.
 Architect—None.
 Contractor—Riddell Bldg. Service Corporation, 2247 Telegraph Ave., Berkeley.
 COST, \$6000

DWELLING
 (2093) E EIGHTY-SIXTH AVE 160 N Dowling, Oakland. One-story 5-room dwelling.
 Owner—Geo. H. Fox.
 Architect—None.
 Contractor—P. A. Newby, 2263 Auseon Ave., Oakland.
 COST, \$2000

SCHOOLS
 (2094) NE TENTH AND UNION, Oakland. Two one-story 1-room school.
 Owner—City of Oakland.
 Architect—None.
 Contractor—John R. Faulkes, 9828 E-14th, Oakland.
 COST, \$1200 each

SCHOOLS
 (2095) NE NINTH AND CAMPBELL, Oakland. Three one-story 1-room schools.
 Owner—City of Oakland.
 Architect—None.
 Contractor—John R. Faulkes, 9828 E-14th, Oakland.
 COST, \$1200 each

REPAIRS
 (2096) NO. 6511 RAYMOND, Oakland. Repairs.
 Owner—O. E. Nelson, 537 66th, Oakland.
 Architect—None.
 Day's work. COST, \$400

ADDITION
 (2097) NO. 9823 "D" ST., Oakland. Addition.
 Owner—P. Passarini, Premises.
 Architect—None.
 Contractor—E. Primett, 1604 94th Ave., Oakland.
 COST, \$800

FRAME RESIDENCE
 (2098) LAKEWOOD PARK, Piedmont. Two-story frame residence.
 Owner—M. I. Diggs, 1519 Broadway, Oakland.
 Architect—M. I. Diggs, 1519 Broadway, Oakland.
 Day's work. COST, \$4000

DWELLING
 (2099) ARBOR DRIVE AND FAIRVIEW AVE., Piedmont. Two-story frame dwelling and garage.
 Owner—L. A. Lausten, 2245 Durant Ave., Berkeley.
 Architect—None.
 Day's work. COST, \$3750

ALTERATIONS
 (3000) NO. 485 THIRTY-FOURTH, Oakland. Alter dwelling.
 Owner—J. A. Salinger, 1534 Franklin, Oakland.
 Architect—None.
 Contractor—California Builders Co., 1534 Franklin, Oakland.
 COST, \$2200

DWELLING
 (3001) NW CALMAR AND MANDANA, Oakland. One-story 6-room dwlg.
 Owner—Leo J. Dolan, 2259 E-16th.

BUILDING CONTRACTS.

Alameda County.

No. Owner Contractor Amt.
 0086 Hustan Sommarstrom 4150
 0087 Jeldin Owner 2600
 0088 Plainfield Jardin 2000
 0089 Walcher Ahnefeld 1900
 0091 Smith Peters 2500
 0092 Gray Riddell 6000
 0093 Fox Newby 2000
 0094 City of Okd Faulstich 3000
 0095 Same Same 3600
 0096 Nelson Nelson 400
 0097 Assarini Primett 300
 0098 Diggs Diggs 4000
 0099 Lauster Lauster 3750
 0100 Salinger Cal Bldrs 2200
 0101 Dolan Dolan 4000
 0102 Peterscon Hambleton 3490
 0103 Vaughn Vaughn 3830
 0104 Watwater Cook 111
 0105 Zenli Benassini 500
 0106 Dalziel Dalziel 3000
 0107 Gilbert Jones 400
 0108 McGregor Owner 250
 0109 Donough Broad 700
 0110 Ballantine Bowers 400
 0111 Vinson Morris 12000
 0112 Picance Picance 2500
 0113 Land Land 2900
 0114 Smith Smith 4000
 0115 Larsen Larsen 6000
 0116 Endriss Jones 700

Oakland.
Architect—None.
Day's work. COST, \$4000

DWELLING
(3002) S MONTELL 507 — Piedmont Ave., Oakland. One-story 5-room dwelling.
Owner—Mrs. J. W. Peterson, 90 Rio Vista Ave., Oakland.
Architect—None.
Contractor—Fred Hambleton, 3737 13th Ave., Oakland. COST, \$3490

DWELLING
(3003) S JEAN 210 E Perry, Oakland. One-story six-room dwelling.
Owner—M. C. Vaughn, 3833 Ayala, Oakland.
Architect—None.
Day's work. COST, \$3380

ADDITION
(3004) NO. 1114 EXCELSIOR AVE., Oakland. Addition.
Owner—Wm. Watwater, Premises.
Architect—None.
Contractor—E. P. Cook, 1744 13th Ave. Oakland. COST, \$611

STORE
(3005) CORNER FIFTY-FIFTH AND Lowell, Oakland. One-story store.
Owner—Ernest Roniti, 957 55th, Okd.
Architect—None.
Contractor—Pio Benassini, 418 Avon, Oakland. COST, \$500

OIL BURNER
(3006) N FIFTEENTH 100 E Clay, Oakland. Oil burner.
Owner—Robt. Dalziel Est., Premises.
Architect—None.
Day's work. COST, \$3000

ADDITION
(3007) NO. 5661 AYALA, Oakland. Addition.
Owner—Mrs. C. M. Gilbert, Premises.
Architect—None.
Contractor—H. D. Jones, 5502 Telegraph Ave., Oakland. COST, \$400

ALTERATIONS
(3008) NO. 647 ELDORADO AVE., Oakland. Alterations.
Owner—C. M. MacGregor, 470 13th, Oakland.
Architect—None.
Day's work. COST, \$450

GARAGE
(3009) NO. 2035 BANCROFT WAY, Berkeley. Garage.
Owner—Mr. Donough, Premises.
Architect—None.
Contractor—A. H. Broad, 2117 Kittredge, Berkeley. COST, \$700

ADDITION
(3010) NO. 2578 BUENA VISTA WAY Berkeley. Addition and alterations.
Owner—John Knop Ballantine, Prem.
Architect—None.
Contractor—F. P. Bowers, 2027 Channing Way, Berkeley. COST, \$400

APARTMENTS
(3011) S CHABOT ROAD 100 E College Ave., Oakland. Two-story 18-room apartments.
Owner—R. B. Vinson, Syndicate Bldg., Oakland.

Architect—None.
Contractor—Solomon Morris, 1507 Harrison, Oakland. COST, \$12,000

DWELLING
(3012) NE NINETY-SECOND AVE & Walnut, Oakland. One-story five-room dwelling.
Owner—Joseph Picance, 1524 92nd Ave., Oakland.
Architect—None.
Day's work. COST, \$2500

DWELLING
(3013) N EVERETT 400 E Park Blvd., Oakland. One-story 5-room dwelling
Owner—Robert Land, 3203 Market, Oakland.
Architect—None.
Day's work. COST, \$2900

DWELLING
(3014) S EXCELSIOR AVE 150 E Alma Ave., Oakland. Two-story 7-room dwelling.
Owner—M. F. Smith, 436 Moss Ave., Oakland.
Architect—None.
Day's work. COST, \$4000

DWELLINGS
(3015) W TWENTY-NINTH AVE 180 and 320 N E-14th, Oakland. Two one-story 5-room dwellings.
Owner—R. K. Larsen, 1550 28th Ave., Oakland.
Architect—None.
Day's work. COST, \$3000 each

GARAGE
(3016) NO. 193 MONTECITO AVE, Oakland. Garage.
Owner—Mrs. Endriss.
Architect—None.
Contractor—Walter P. Jones, 2218 Los Angeles Ave., Berkeley. COST, \$700

ALTERATIONS
(3017) NO. 5375 BOND, Oakland. Alterations.
Owner—M. S. Smith, Palo Alto.
Architect—None.
Contractor—C. B. Stanley, 1507 50th Ave., Oakland. COST, \$500

ADDITION
(3018) NO. 1002 TWENTY-SECOND Ave., Oakland. All work for frame and galvanized iron addition to plant.
Owner—Premier Machinery Co., Prem.
Architect—None.
Contractor—Harry C. Knight, 1601 Telegraph Ave., Oakland.
Filed Sept. 25. Dated Aug. 20, '19.
Roof joists in place \$1100
Cement floor completed 1100
Galvanized iron in place 1259
Completed and accepted 1100
TOTAL COST, \$4559
Bond, Sureties, Forfeit, none. Limit, 60 days. Plans only filed.

T. & G. ROOF
(3019) OAKLAND PIER, Oakland. T. & G. roof on warehouse.
Owner—Southern Pacific Railroad.
Architect—None.
Contractor—The Paraffine Companies, Inc., 30-40 1st, San Francisco.
Filed Sept. 25, '19. Dated Sept. 12, '19.
Each month 75%
Usual 35 days 25%
TOTAL COST, \$1680

Bond, \$1680. Sureties, American Surety Co. Forfeit, none. Limit, 30 days. Plans and specifications filed.

DWELLING
(3020) N E-TWENTY-THIRD 120 V 10th Ave., Oakland. One-story 5-room dwelling.
Owner—Mandana E. Chase, 404 E-8th, Oakland.
Architect—None.
Contractor—Bigelow & Champney, 82 13th, Oakland. COST, \$296

APARTMENTS
(3024) S THIRTY-SIXTH 216 J Grove, Oakland. Two-story 18-room apartments.
Owner—Stella M. Lloyd, 469 Rose St, Oakland.
Architect—None.
Contractor—Solomon Morris, 150 Harrison, Oakland. COST, \$12,000

ADDITION
(3022) NO. 376 FAIRMOUNT AVE, Oakland. Addition.
Owner—A. L. Hamilton, Premises.
Architect—None.
Contractor—W. G. McGinty, 2516 HUI gard Ave., Berkeley. COST, \$40

REPAIRS
(3023) NO. 511 FOURTEENTH, Oakland. Repairs.
Owner—Pig & Whistle, Premises.
Architect—None.
Contractor—T. G. Walker, 566 4th, Oakland. COST, \$50

ALTERATIONS
(3024) NO. 2708 ADELINE, Oakland. Alterations.
Owner—Mrs. Craig, Premises.
Architect—None.
Contractor—Valadan & Woodman, 293 Adeline, Oakland. COST, \$57

ALTERATIONS
(3025) NE SEVENTH AND HENRY, Oakland. Alterations.
Owner—Mrs. Nora Galvin, Peralt Apartments, Oakland.
Architect—None.
Contractor—C. A. Doss, 2028 E-15th, Oakland. COST, \$60

REPAIRS
(3026) NO. 522 WALSWORTH AVE, Oakland. Fire repairs.
Owner—Edith Broberg London, Prem.
Architect—None.
Contractor—Chas. E. Quigley, 464 Van Buren Ave., Oakland. COST, \$40

ADDITIONS, ETC.
(3027) NO. 58 HILLCREST ROAD Berkeley. Repairs and additions to two-story 7-room dwelling.
Owner—J. G. Moore, Premises.
Architect—None.
Contractor—F. E. Allen, 2718 Regent Berkeley. COST, \$400

DWELLINGS
(3028) N SONOMA AVE 130 and 160 W Josephine, Berkeley. Two one-story six-room dwellings.
Owner—Berkeley Development Co. Shattuck and Addison, Berkeley.

Architect—None.

Contractor—Mason, McDuffie Co., Shattuck and Addison, Berkeley.
COST, \$3000 each

DWELLING

(3039) W SHATTUCK AVE 80 N Marin Ave., Berkeley. One and one-half-story 7-room dwelling.

Owner—Herbert F. Kern, 965 Indian Rock Ave., Berkeley.
Architect—None.
Day's work. COST, \$5300

DWELLING

(3030) W SHATTUCK AVE 35 S Marin Ave., Berkeley. Two-story 8-room dwelling.

Owner—Herbert F. Kern, 965 Indian Rock Ave., Berkeley.
Architect—None.
Day's work. COST, \$6000

DWELLING

(3031) W TALBOT AVE 400 N Gilmore, Berkeley. One-story 4-room dwelling.

Owner—Mary C. Healy, 842 37th, Okd.
Architect—None.
Contractor—P. J. Healy, 842 37th, Okd.
COST, \$1750

GARAGE

(3032) NO. 1121 FRESNO, Berkeley. Garage.

Owner—A. S. Welkusham, Premises.
Architect—None.
Day's work. COST, \$400

GARAGE

(3033) NO. 2940 AVALON AVE., Berkeley. Garage.

Owner—H. N. Henderson, Premises.
Architect—None.
Contractor—Harry C. Smith, 2011 Francisco, Berkeley.
COST, \$450

ADDITION

(3034) NW FIFTH AND KIRKHAM, Oakland. Three-story addition to brewery building.

Owner—G. White, Premises.
Architect—None.
Contractor—F. T. Malley, 501 Santa Ray Ave., Oakland.
COST, \$8000

FACTORY

(3035) FOOTHILL BLVD. AND 106th Ave., Oakland. One-story concrete factory.

Owner—V. K. Sturgis, Premises.
Architect—None.
Contractor—Jas. H. Pedgrift, 565 16th, Oakland.
COST, \$10,000

FURNACE HOUSE

(3036) FORTY-SEVENTH AVE AND E-10th, Oakland. One-story furnace house.

Owner—National Lead Co. of Calif., Premises.
Architect—None.
Contractor—H. P. Hoyt & Co., Monadnock Bldg., San Francisco.
COST, \$6000

DWELLING

(3037) S E-TWENTY-FIRST 75 W 17th Ave., Oakland. One-story five-room dwelling.

Owner—J. R. Woolsey, 5677 Ocean View Drive, Oakland.
Architect—None.
Day's work. COST, \$3000

DWELLING

(3038) N DELAWARE 150 E Peralta Ave., Oakland. One-story 5-room dwelling.

Owner—A. L. Anderson, 4336 Leach Ave., Oakland.
Architect—None.
Day's work. COST, \$2985

DWELLING

(3039) N ARIMO AVE 500 E Walla Vista, Oakland. Two-story 7-room dwelling.

Owner—M. Horsford, 501 Santa Ray, Oakland.
Architect—None.
Contractor—F. T. Malley, 501 Santa Ray, Oakland.
COST, \$5000

DWELLING

(3040) S E-TWENTY-SECOND 70 E 11th Ave., Oakland. One-story five-room dwelling.

Owner—Albert E. Norman.
Architect—None.
Contractor—Andrew C. Sharp, 3260 Kansas, Oakland.
COST, \$3500

GARAGE

(3041) S E-FOURTEENTH 60 E 24th Ave., Oakland. One-story brick garage.

Owner—J. M. Lorimer, 1817 9th Ave., Oakland.
Architect—None.
Day's work. COST, \$2400

DWELLING

(3042) NW LOUISIANA & WALTER Ave., Oakland. One-story 4-room dwelling.

Owner—Wm. Duncanson, 705 Louisiana, Oakland.
Architect—None.
Contractor—Frank Brookhead, 864 57th, Oakland.
COST, \$2000

SHOP

(3043) W THIRTY-FIFTH AVE 100 S E-14th, Oakland. One-story tin shop.

Owner—Wm. M. Murphy, 3410 E-14th, Oakland.
Architect—None.
Day's work. COST, \$500

ALTERATIONS

(3044) NO. 4324 MONTGOMERY, Oakland. Alterations.

Owner—Mrs. M. M. Carpenter, Prem.
Architect—None.
Day's work. COST, \$1000

ALTERATIONS

(3045) NO. 2439 DELMER, Oakland. Alterations.

Owner—G. Zeitler, Premises.
Architect—None.
Contractor—A. Volekers, 2120 25th Ave., Oakland.
COST, \$450

DWELLING

(3046) N WISCONSIN 35 E Loma Vista, Oakland. One-story 4-room dwelling.

Owner—James Battershill, 1517 E-34th, Oakland.
Architect—None.
Day's work. COST, \$5000

THEATRE BUILDING

(3046) FOURTEENTH AND BROADWAY, Oakland. All work on Macdonough Theatre (extras).

Owner—William G. Henshaw, Mills Bldg., San Francisco.

Architect—Weeks & Day, Phelan Bldg., San Francisco.

Contractor—K. E. Parker Co., 519 California, San Francisco.

Filed Sept. 26, '19. Dated Sept. 25, '19.

TOTAL COST, \$18,950
Bond, \$10,425. Sureties, Wm. H. Healy and J. H. Edwards, Limit, Apr. 10, 1920. Forfeit, none. Plans only filed.

COMPLETION NOTICES.

Alameda County.

Recorded
Sept. 27, 1919—SE TWENTY-Eighth Ave 422 NE E-17th NE 35.5 x SE 125, Okd. Sarah Sinclair to A J Bellefontaine and W H Higgins Sept. 27, 1919
Sept. 23, 1919—LOT 24 BLK "H" East Piedmont Heights, Oakland. William J Baker to whom it may concern Sept. 8, 1919
Sept. 22, 1919—SW ROSE & HOLLY S 116.16 W 45 N 100 E 47.81, Bkly. William A and Theresa Hebert to Fred E Pfaff Sept. 9, 1919
Sept. 20, 1919—PT. 65 S Intersection Twenty-fourth & Webster S 35x 100, Okd. George A Faulkner to F A Muller Sept. 5, 1919

NOTICE OF NON-RESPONSIBILITY.

Alameda County.

Sept. 24, 1919—E BROADWAY 50 N th N 50x E 75, Okd. Joseph Bisagno to improvements on leased property

BUILDING CONTRACTS.

Sacramento County.

WAREHOUSE

N 1/4 LOT 4 R. S. 20th and 21st Sts., Sacramento. Five-story and basement brick and reinforced concrete warehouse.

Owner—Capitol Sac. Trans. Van & Storage Co.

Architect—Woollett & Lamb, Physicians Bldg., Sacramento.

Contractor—Geo. D. Hudnutt, Inc., California Fruit Bldg., Sacramento.

Filed Sept. 22, '19. Dated Sept. 22, '19. COST, \$70,244

FRAME DWELLING

NO. 2531 "H" ST., Sacramento. Frame dwelling.

Owner—Joe Stephens, Premises.
Architect—None.

Day's work. COST, \$4000

RESIDENCE

NO. 3004 "G" ST., Sacramento. Residence and garage.

Owner—J. Stephens.
Architect—None.

Contractor—L. F. Gould, 600 Ventura St., Sacramento.

COST, \$3950

COMPLETION NOTICE.

Sacramento County.

Recorded
Sept. 15, 1919—LOT 1 L. M. 5th and 6th Sts., Sacramento. Ida M Frazer to whom it may concern. Sept. 13, '19

BUILDING CONTRACTS.

Santa Clara County.

RESIDENCE

TENNYSON ST., Palo Alto. All work for a two-story frame residence. Owner—Grace G. Mortimer, Los Gatos. Architect—Mt. View Home Builders, Inc., Mt. View.

Contractor—Mt. View Home Builders, Inc., Mt. View.

Filed Sept. 15, '19. Dated Sept. 15, '19. Frame completed\$842.00 Enclosed, roofed and rough

plumbing in 852.50

Plastering completed 852.50

Completed and accepted 852.50

Usual 35 days 852.50

TOTAL COST, \$4252

Bond, \$2126.25. Sureties, Earl D. Minton and Henry A. Hoyt. Forfeit, none. Limit, 75 working days from above date. Plans and specifications filed.

JOB SHOP

SE JULIAN and Pleasant Sts., San Jose. All work for 60x60 frame building and 248 lineal feet of 7-foot board fence with gates. To be known as the Farmers' Job Shop. Owner—Bean Spray Pump Co., Julian and Terraine, San Jose.

Architect—I. A. Oliver, San Jose. Contractor—R. O. Summers, 17 N. 1st, San Jose.

Filed Sept. 11, '19. Dated Sept. 10, '19. All superstructure and iron

work in place 1/2

Bldg. and fence completed 1/2

Usual 35 days 1/2

TOTAL COST, \$7819

Bond, \$3909.50. Sureties, Oscar Promis and R. H. Borchers, San Jose. Forfeit, none. Limit, 35 days. Plans and specifications filed.

COMPLETION NOTICES.

Santa Clara County.

Recorded Accepted
Sept. 10, 1919—RANDOL AVE AND
Chynman, Randol Add'n to Chap-
man and Davis Tract. A K Bur-
kett to whom it may concern.....
Sept. 6, 1919
Sept. 22, 1919—FOLHEMUS ST. AND
Stockton Ave., near San Jose.
Charles B and E R Polhemus to
E L Wolfe.....Sept. 19, 1919

BUILDING CONTRACTS.

San Joaquin County.

FRAME DWELLING

N COUNTRY CLUB BLVD. 1 mile W
Tuxedo Road, Stockton. Frame
dwelling.

Owner—Mrs. Walter T. Jackson,
Country Club Road, Stockton.

Architect—None.

Contractor—John H. and D. M. Sin-
nett, 720 N-Baker St., Stockton.

Filed Sept. 23, '19. Dated Sept. 22, '19.
Limit, 70 days. COST, \$4460

FRAME RESIDENCE

VILLA ADDITION, Stockton. Frame
residence.

Owner—O. Baerlocker, Stockton.

Architect—None.

Day's work. COST, \$2500

FRAME DWELLING

FLORA ST., bet. Yosemite and Stock-
ton Sts., Stockton. Frame dwelling
Owner—Ed. Shafner, Stockton.

Architect—None.

Day's work. COST, \$5000

FRAME RESIDENCE

VAN BUREN ST., bet. Magnolia and
Acacia Sts., Stockton. Frame resi-
dence.

Owner—H. Remberg, Stockton.

Architect—None.

Day's work. COST, \$4500

OIL STATION

COR. FREMONT AND EL DORADO
Sts., Stockton. Oil station.

Owner—Standard Oil Co., Stockton.

Architect—None.

Day's work. COST, \$1000

FRAME DWELLING

THE OAKS, Stockton. Frame dwlg.
Owner—Bert Butterwork, Stockton.

Architect—None.

Day's work. COST, \$2000

BUILDING

S 65 FEET LOT 2 and S 65 feet W 30
feet of Lot 4 Blk 29, West of Center
St., Stockton. All work for
building.

Owner—L. Cassinelli, Stockton.

Architect—None.

Contractor—C. Elvis Totten and R. B.
Trewitt, Stockton.

Filed Sept. 20, '19. Dated Sept. 8, '19.
TOTAL COST, \$49,448

Bond, none. Limit, 120 days.

BUILDING

NW EIGHTH AND CENTRAL STS.,
Tracy. All work for building.

Owner—C. A. D. Busckle.

Architect—None.

Contractor—Daniel R. Wagner, 224
Judah St., San Francisco.

Filed Sept. 20, '19. Dated Aug. 30, '19.
Limit, 100 days. TOTAL COST, \$35,500

HEATING PLANT ON ABOVE.

Contractor—Scott Co., 243 Minna St.,
San Francisco.

Filed Sept. 20, '19. Dated Aug. 30, '19.
Limit, 100 days. TOTAL COST, \$1230

ALTERATIONS

NO. 131 W-ROSE ST., Stockton. Re-
model.

Owner—Carrie M. Kuhn.

Architect—None.

Day's work. COST, \$2500

DWELLING

PARK ST., bet. Edison and Harrison,
Stockton. Frame dwelling and ga-
rage.

Owner—Tony Calastini.

Architect—None.

Day's work. COST, \$2450

COMPLETION NOTICES.

San Joaquin County.

Recorded Accepted
Sept. 18, 1919—LOT 1 BLK 5, Sunny-
side Add'n, Stockton. D B Poole
to Clarence W Beck.....Sept. 13, 1919

COMPLETION NOTICES.

Marin County.

Recorded Accepted
Sept. 22, 1919—LAGUNITAS, Eugenia
A Merlatto to whom it may con-
cern.....Sept. 11, 1919

BUILDING CONTRACTS.

Fresno County.

FRAME DWELLING

NO. 1630 WHITE AVE., Fresno.
Frame dwelling and garage.

Owner—Chas. Bailey, Fresno.

Architect—None.

Contractor—G. H. Walley, 135 Diana
St., Fresno. COST, \$3000

DWELLING

LOTS 13 & 14 BLK 4, Leona Heights,
Fresno. Dwelling and garage.

Owner—R. C. Kennedy, Fresno.

Architect—None.

Day's work. COST, \$3000

DWELLING

NORTH ELMHURST Lot 39, Fresno.
Frame dwelling and garage.

Owner—R. T. Wallace, 3221 Illinois
St., Fresno.

Architect—None.

Day's work. COST, \$3000

ALTERATIONS

LOTS 31 AND 32 BLK 73, Fresno.
Alterations to store.

Owner—W. P. Lyon, 1134 "T" St.,
Fresno.

Architect—None.

Contractor—E. Riggins, Mason Bldg.,
Fresno. COST, \$10,000

RESIDENCE

FIRST AND ILLINOIS STS., Fresno.
All work for brick residence.

Owner—D. P. Pagano, 3362 Illinois St.,
Fresno.

Architect—None.

Contractor—James Romano.
Filed Sept. 24, '19. Dated Sept. 24, '19.

1st & 3d Saturday of ea. month 75%
Usual 35 days..... 25%
TOTAL COST, \$3900

Bond, none. Limit 45 days. Forfeit,
none. Plans and specifications filed.

PARTITIONS

LOTS 1, 2, 3, Blk 62, Fresno. Parti-
tions in building.

Owner—Radin & Kamp, 1931-7 Tulare,
Fresno.

Architect—None.

Day's work. COST, \$1500

REMOVE PARTITIONS

NO. 1158 "H" ST., Fresno. Remove
partitions.

Owner—Lauritzen Implement Co.,
Premises.

Architect—None.

Contractor—E. Riggins, 317 Mason
Bldg., Fresno, Cal. COST, \$3000

DWELLING AND GARAGE

NORTH PARK TERRACE, lots 3, 4,
Blk 17, Fresno. Frame dwelling and
garage.

Owner—Chess & Peterson, Fresno, Cal.

Architect—None.

Day's work. COST, \$8000

DWELLING.

EAST ELM, Fresno. Frame dwelling.
Owner—M. W. Pearce, 1403 San Pablo,
Fresno.

Architect—None.

Day's work. COST, \$3500

DWELLING AND GARAGE

LOTS 1, 2, Blk. 1, Central Park, Fresno. Frame dwelling and garage.
Owner—Mrs. M. Story, 907 Wilson, Fresno, Cal.
Architect—None.
Day's work. COST, \$3350

DWELLING AND GARAGE

LOTS 13, 14, Blk. 2, Allen & Binford Tract, Fresno. Frame dwelling and garage.
Owner—Walter C. Smith, Fresno, Cal.
Architect—None.
Contractor—G. H. Stivers, 1600 Poplar, Fresno, Cal.
COST, \$4000

DWELLING

LOTS 20, 21, Blk. 4, Belmont Add, Fresno. Frame dwelling.
Owner—Mrs. M. P. Bradford.
Architect—None.
Contractor—C. P. Cain, 709 Mildreda, Fresno.
COST, \$4000

DWELLING AND GARAGE

LOTS 18, 19, Blk. 8, College Add, Fresno. Frame dwelling and garage.
Owner—W. G. Tufts.
Architect—None.
Contractor—G. H. Stivers, 1600 Poplar, Fresno.
COST, \$5500

DEMOLISH BUILDING

LOTS 1, 2, Blk. 71, Fresno. Demolish building.
Owner—A. Mattel, 2202 "I" St., Fresno.
Architect—None.
Contractor—United Wrecking Co.
COST, \$1675

COMPLETION NOTICE.**Fresno County.**

Recorded Accepted
Sept. 22, 1919—S ¼, SE ¼, SEC. 1,
15-19, Fresno. Douglas W. Uridge
to whom it may concern.....
Recorded Accepted
Sept. 23, 1919—E 50 of LOT 10 BLK
9, Wilson North Fresno Tract, Fresno.
John J. Weyland to whom it
may concern.....Sept. 23, 1919

LIENS FILED.**Fresno County.**

Recorded Amount
Sept. 22, 1919—LOTS 9 AND 10 BLK
1, Aten Addition, Fowler, Fresno
Planning Mill vs W G Williams. \$748

HIGHWAY TO RENO PLANNED BY STATE.

AUBURN, Cal.—A cement highway over the Sierra Nevada mountains from the western terminus here of the present paved highway to Reno within a few years, was promised by George W. Mansfield, a member of the California State Highway Commission, and W. B. Alexander, Highway Commissioner from the State of Nevada.

Alexander stated that the road from Reno to the California line would be completed during the year 1920. Mansfield was unable to specify any time for starting construction on the California end, saying it depended on exigencies of bond selling and ability to award contracts.

The route will probably closely parallel the old Central Pacific railway, the first transcontinental line to be

built, and will cross the summit at an elevation of 7,118 feet. It is expected that much of the way the cost will be in excess of \$20,000 per mile. The distance from Auburn to Reno is 105 miles.

The California highway commission has directed that surveys be made and specifications drawn at once for a highway from Auburn to the Nevada line. Similar preliminaries have already been accomplished by Nevada authorities for the part of the road lying within that state.

An Englishman is the inventor of a magnifying glass to be fastened to a pencil or engraving tool to help a draftsman or engraver.

STATE CORPORATION DEPARTMENT.

SACRAMENTO, Cal.—Commissioner of Corporations E. C. Bellows has issued a report from which may be gathered the enormous volume of business being transacted in California in the sale and issue of corporate securities. In the report it is shown that, from September 1, 1918, to April 1, 1919—a period of seven months—permission has been granted to corporations to sell and issue a total of over \$11,000,000 worth of stocks, bonds and other securities.

In the same period, applications were filed by corporations for permission to sell and issue over \$126,000,000 worth of securities showing that investigation and examination in the Corporation Department resulted in the elimination of some \$15,000,000 worth of securities from the total applied for.

During the same period the department authorized the distribution of assets to the amount of over \$4,900,000.

The receipts of the department, arising from the fees imposed by law,

A MIXER EVERY FOUR DAYS.

A unique record was made by Lansing Company, in disposing of four large Concrete Mixers in the first sixteen days of July. Each machine went to a different customer.

J. O. Frnsberger, manager of the San Francisco branch, is wearing a

have increased from \$3,869.25, in September, 1918, to \$8,435.76 in May, 1919, while, during the same period, disbursements for all expenses pertaining to this department decreased from \$5,029 in September, 1918, to \$3,671.50 in May, 1919.

The total receipts for this period of nine months exceeded the total disbursements by \$14,217.04. The department, therefore, is not costing the tax-payers one cent for its conduct, but has accumulated a reserve to tide over any emergency which might arise, or defray the cost of employing more assistants as the increase of business demand.

The benefits to the individuals, who have been saved from unprofitable investments, and to legitimate business, which has profited from capital that might otherwise have been dissipated, cannot be known, but is undoubtedly very great. Best of all, it is a means of retaining to the industrious and thrifty the fruits of their labor and self-denial.

THE POSSIBILITIES OF PEAT.

The Commercial Museum of Philadelphia has been holding a large exhibition to illustrate the possibilities in the utilization of peat. There are about 11,138 square miles of peat bog in the United States, capable of producing more than 12,000,000,000 tons of fuel. The exhibit shows how, apart from its use as fuel, peat may be spun into yarn, made into paper, used for packing, etc. It is valuable as a preservative, as it contains large amounts of humic acid. Ground up peat may also be used as a filler for fertilizer, making possible the use of slaughterhouse waste for this purpose; also as a filler for stock feed, such as molasses. Its manufactured product include insulations, sound-proof boards, paving stones, and alcohol.—Scientific American.

clated by everyone using these machines.

"Having to supply six other branch houses, besides ourselves, taxes both our factories to the utmost, but before long we expect they will be making regular weekly shipments of Concrete Machinery — and goodness knows, we need them."



justly broad smile these days, as is the sales force of this progressive firm. When interviewed, he stated: "The new models being turned out by our factory today, are, I sincerely believe, the very last word in high class mixer construction. The same 'Lansing Quality' is in them, plus decided improvements that are appre-

Lansing Company manufactures seven sizes, ranging from a 5-foot up to the "15 footers," and they equip all of their mixers with the reliable Ideal engine. Hoists, Concrete Carts, Wheelbarrows and Mortar Mixers are also manufactured by them and these they also carry in stock in San Francisco at 338 Brannan street.

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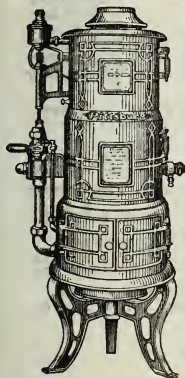
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American Association of Engineers

THE CALL TO UNITY OF THE PROFESSION.

Unity of the engineering profession used to be desirable. Now it is a necessity, not only that the profession may retain its identity, but that it also may take the place in society which we think it should occupy. Unity can be accomplished, and that quickly, if we will but thoughtfully face the facts before us.

The engineering profession today faces the danger of being submerged in the controversy between capital and labor. In its position between capital and labor the profession should be represented as a matter of course at the White House Conference in October. Any invitation that may be received will come, however, only on request, and the engineer who attends will be regarded only as an onlooker. We can have a voice and be heard only by presenting a united front.

We say the engineer won the war. To must he win the battles of peace and take his part in the industrial readjustments where now justice, liberty and patriotism are swept aside in the struggle between capital and labor. As it is, organized labor seeks to divide the profession into the employer and employee classes. No calamity greater than this could befall the profession except to have it owned and at the behest of capital. The engineer's place has aptly been characterized as the third leg of the tripod on which modern industrial civilization rests. He belongs neither to capital nor to labor, but uses each for the accomplishing the greatest production for the happiness of mankind.

If he uses capital and labor to produce for the enjoyment of all men, why should he not plead the case of the neglected major third party, the public, in the struggles climaxing in the steel strike.

It can be done. Unity is close at hand.

The following resolution has been drafted for presentation to the Board of Directors of the American Association of Engineers at its meeting on October 11:

Resolved, That the Board of Directors of the American Association of Engineers call a conference of representatives of all organizations or societies of engineers, architects and similarly educated or experienced technical men, for the purpose of strengthening the position of engineers and technical men as a group distinct from labor and from capital,

but essential to both and to society in general, because of the fact that stability of the social structure resting on the tripod of labor, capital and engineering, is dependent upon the strength of this third support.

NEWS FROM NATIONAL HEAD-QUARTERS.

The Committee of the American Association of Engineers on Salaries of Engineers in Public Service invites discussion of the schedule for engineers in state highway service before presenting it to the Association for final adoption.

In appointing the committee last June, the Board of Directors gave it authority to add to its personnel, with the approval of the President, representatives of the several branches of public service engineers in order that the schedules as finally adopted should be not only harmonious with reference to each other, but that they should be generally accepted as stating the value of engineering service to the public, hence what it should pay for such service. In discussing the schedules sent out from time to time engineers should therefore bear in mind that the endeavor of the committee is not to standardize and classify engineering service, but to price this service.

It is to be realized that the accompanying schedule is not an outline of organization. But in order that each state organization may readily place each person within it, it has been thought best to enumerate in considerable detail the description of the various positions even at the expense of some apparent repetition. The grouping of the various positions is clear from the captions.

Kindly acquaint all highway engineers with the schedule. It is suggested that at state capitals or other headquarters a meeting be held of the highway engineers of the department.

Discussion of this schedule is particularly invited from the younger engineers of the department.

In order that the schedule for highway engineers may be formally adopted in time for inclusion in budgets for the coming year, it is necessary that any comments or suggestions be received by the committee not later October 15.

A. N. JOHNSON,
Chairman Committee on Salaries of Engineers in Public Service, American Association of Engineers.

PROPOSED SCHEDULE OF SALARIES FOR ENGINEERS IN STATE HIGHWAY SERVICE. Administrative and Executive Positions.

Chief Engineer—In charge of all construction and maintenance work of the department, acting as chief executive officer, \$8,000 to \$15,000.

Engineer of Construction—In immediate charge of all construction work from time contracts are let. Assigned to state headquarters, \$6,000 to \$10,000.

Engineer of Maintenance—In charge of all maintenance work. Assigned to state headquarters, \$6,000 to \$10,000.

Engineer of Bridges—In charge of preparation of specifications and designs for bridges, and in charge of construction of special bridges. Assigned to state headquarters, \$5,000 to \$8,000.

Office Engineer—In charge of preparation of plans and specifications for all construction work up to the point of letting contracts. Assigned to state headquarters, \$5,000 to \$8,000.

Engineer of Tests—In general charge of laboratory routine tests, investigations, material surveys and field inspection of materials, \$4,000 to \$7,000.

District Engineer—In charge of all construction and maintenance work in a division or district of the state, generally including a number of counties. Assigned to division headquarters, \$5,000 to \$8,000.

Engineering Positions Involving Some Administrative Duties in the Higher Grades.

Advisory and Consulting Engineer to the Chief Engineer, \$5,000 to \$10,000.

First Assistant Engineer, assigned to Construction Engineer at state headquarters. In general charge of office work in connection with execution of contracts, \$3,600 to \$5,000.

First Assistant Engineer, assigned to the Chief Engineer, \$5,000 to \$10,000. headquarters. In general charge of office work in connection with maintenance, \$3,600 to \$5,000.

First Assistant Bridge Engineer, assigned to Engineer of Bridges at state headquarters. In charge of bridge drafting room and responsible for bridge specifications and bridge designs, \$3,600 to \$5,000.

First Assistant Engineer, assigned to Division Headquarters. In general charge of division headquarters office, \$3,600 to \$5,000.

Assistant Engineers, assigned to Construction Engineer at state headquarters. Duties as assigned, \$2,400 to \$4,000.

Assistant Engineers, assigned to Maintenance Engineer at state headquarters. Duties as assigned, \$2,000 to \$4,000.

Assistant Engineers, assigned to Bridge Engineer at state headquarters. Acting as especially skilled draftsmen, designers and computers. \$2,400 to \$4,000.

Assistant Engineers, assigned to Office Engineer at state headquarters. Preparing and checking specifications and plans as received from division offices. Work as assigned, \$2,400 to \$4,000.

Chief Chemist, assigned to Engineer of Tests at state headquarters. In charge of the chemical work of the laboratory, \$3,500 to \$6,000.

Assistant Engineers, assigned to division headquarters. Some in charge of construction, others in charge of maintenance, both field and office work as assigned, \$2,400 to \$4,000.

Assistant Engineers, assigned to laboratory work. Tests and investigations in laboratory, field examinations and reports on sources of materials as assigned, \$2,400 to \$4,000.

Assistant Chemists, assigned to laboratory, \$2,000 to \$4,000.

Chief Draftsmen, assigned to division headquarters. In charge of division headquarters drafting room and the preparation of plans, \$2,400 to \$4,000.

Chiefs of Survey Parties—In charge of surveys and relocations; during time spent in office, work on plans and computations as assigned, \$2,400 to \$4,000.

Inspectional Service.

Confidential Inspectors, assigned to Chief Engineer. Report only to Chief Engineer on work of all character wherever it may be. Positions of peculiar responsibilities, represent the chief engineer, \$4,000 to \$5,000.

General Inspectors of Maintenance, assigned to state headquarters, \$2,400 to \$4,000.

Inspectors of Bridge Construction, assigned to Bridge Engineer at state headquarters. Inspecting construction of the larger bridges only. Work inside on bridge plans and design as assigned, \$2,400 to \$4,000.

Field Inspector of Materials, assigned to Engineer of Tests at state headquarters. Inspection of materials in the field and at points of manufacture, \$2,400 to \$4,000.

Inspectors of Construction, assigned to Division Engineers at division headquarters. Inspect construction, reporting to division engineers, or a number of inspectors may be under immediate charge of some assistant engineer to whom they make immediate reports, \$2,400 to \$3,000.

If inspectors are employed during working season only to receive per month, \$250 to \$300.

Inspectors working the year around are at division offices during winter on plans, estimates and computations, as assigned.

Junior Engineering Positions Concerned with Routine Work Only.

Engineering draftsmen, computers, checkers, estimators, assigned to state headquarters, \$1,800 to \$2,400.

Tracers, computers, checkers, assigned to bridge engineer, \$1,800 to \$2,400.

Engineer draftsmen, assigned to division headquarters. Preparation of

plans, computations, estimates, checking, \$1,800 to \$2,400.

Instrument men, \$1,800 to \$2,400.

Transitmen and levelers. Those employed the year around work inside division offices part of time on plans, computations and estimates. If employed by month during construction season only they should receive, per month, \$200 to \$250.

Rodmen and chainmen, \$1,200 to \$1,500.

Laboratory Assistants — Routine testing, laboratory records, \$1,800 to \$2,400.

All engineers working away from state or division headquarters to which they may be assigned are to receive traveling and subsistence expenses.

FRESNO COUNTY ROAD ACTIVITIES

Fresno County is advertising eight contracts for bids on its highway system under the recent bond issue of \$4,800,000. These contracts will aggregate about 50 miles and are the first group to be constructed under this bond issue.

Bids on one or more of four specifications are asked on seven of the contracts as follows:

1. A 1:3:6 concrete mix, without wearing surface.

2. A 1:2:4 concrete mix, belted surface.

3. A 1:3:6 concrete base, with asphalt concrete wearing surface.

4. A 1:3:6 concrete base, with 1½-inch bitulithic wearing surface.

On the other contracts, five miles in length, bids are asked one or both specifications, as follows:

1. A 5-inch asphalt concrete pavement.

2. An asphalt concrete pavement with a bitulithic wearing surface.

This group will be 16 feet wide with a 5-inch base and a 1½-inch wearing surface, and radiate from Fresno City. Bids will be received on the above until October 17th by the Board of Supervisors of the county. Bids will be asked for on the remaining mileage as rapidly as plans and specifications are completed.

Mr. Chris P. Jensen, County Surveyor, is Chief Engineer in charge of this work, with Mr. Dan W. Chamberlin, formerly with the California State Highway Commission, as his assistant.

J. L. VINCENT,

Sec. Fresno Chapter, A. A. E.
P. O. Box 922, Fresno, Calif.

HIGHWAY MAINTENANCE.

By G. M. N.

III.

The biggest users of motor trucks in the world are the American farmers, with 79,789 motor trucks in operation. Manufacturers come second with 75,978, and retailers third with 74,486.

These figures are taken from reliable statistics for the year 1917. Estimates for 1918 show a tremendous increase in the number of motor trucks in use; but with the farmer still in the lead.

It is estimated that during 1918 approximately 350,000,000 tons of farm products were hauled to market in motor trucks by the farmers and gardeners of the United States.

The actual operating figures averaged for the United States show that

motor truck transportation is twice as cheap as horse-drawn transportation.

The motor truck handles life's necessities.

Much of this 350,000,000 tons of food products hauled from the farm to the city by motor trucks was of a perishable nature, and hundreds of thousands of tons of it would have been lost but for the rapid transportation possible with the motor truck.

The present-day rural motor express does six important things. They are: Getting to market supplies of food hitherto unavailable because of the distance between producer and the market, and lack of other transportation.

Relieving railroads of short and unprofitable hauls.

Encouraging business between farmers and merchants by increasing the earnings of the farmer and improving his purchasing power.

Decreasing dissatisfaction on the part of farmers and farm hands by providing increased facilities and comfort.

Transporting produce to the consumer more quickly and in better condition than ever before.

Maintaining men on the farms and in producing work by others who now spend a great part of their time driving to market.

Of all vehicles using our highways the motor truck probably causes the least damage in proportion to the service it renders.

A consideration of the figures and facts about truck transportation as elucidated above cannot but convince any thinking citizen and taxpayer that our roads should be built to stand up under this kind of traffic and not merely be able to withstand pleasure cars and go-carts. On pages 60 and 61 of First Biennial Report of the California Highway Commission appears extracts and pictures from a report of the division engineer of Division Three, showing damage done to the state highway by the hauling of the rice crop to the warehouses by motor trucks. The report goes on to say "The foregoing is an illustration of perhaps an extreme case of the ~~acid~~ use of the highway, but the overloading of trucks in general throughout the state is an evil which must be reckoned with."

"If such excessive loads are to be permitted the state must spend much money to ~~strengthen~~ the roads, but why should such selfishness be permitted? Why should not the reasonable provisions of the Vehicle Act be enforced?" The paragraph cited above shows a rather one-sided view of the situation and a lack of understanding the necessities and vicissitudes of the rice industry. If the Highway Officials had considered in earnest the traffic that was likely to be imposed on our highways together with all the possible local hazards, the ignominious 4-inch slab would not have been adopted as the standard for any roads except those over which nobody but the sightseer and pleasure seeker would be likely to travel. The rice industry is worth per year to the inhabitants of California some 10 million dollars, and is certainly worthy of more consideration than some police regulations forbidding loads that can be hauled from being hauled. The all important question with rice—when harvested—is to

SANTA BARBARA COUNTY.

Surveyorper year, \$1500
 receives necessary cost of transportation to and from,
 and necessary expenses in the field while engaged on pub-
 lic work, and actual cost of platting, tracing or preparing
 maps, plats or block books when ordered by the Assessor.

SANTA CRUZ COUNTY.

SurveyorFees

Surveyorper diem, \$10
 (and fees).

Allowed all necessary expenses and transportation for
 work performed in the field.

SIERRA COUNTY.

SurveyorFees

SISKIYOU COUNTY.

SurveyorFees

SOLANO COUNTY.

Surveyorper day, \$10

(When actually employed).

Allowed all necessary expenses such as transportation and
 pay of help which may be necessary for performance of
 county duties.

SONOMA COUNTY.

Surveyorper year, \$1800
 (and fees).

1 Deputyper year, 900

Allowed necessary and actual traveling expenses. Fee,
 \$10 per day fees for land surveys except when done for
 county.

STANISLAUS COUNTY.

Surveyorper year, \$3000

2 Deputies

Allowed actual traveling and other necessary expenses
 incurred in field work. He shall be allowed additional
 assistance by the Supervisors when necessary in making
 county and road maps, and all necessary plans and spec-
 ifications for bridge and county buildings other than with
 regard to roads, as necessary actual expense.

SUTTER COUNTY.

Surveyorper year, \$900

TEHAMA COUNTY.

Surveyorper year, \$1500

Allowed actual expenses in the performance of any order
 of Court or Supervisors. Also allowed actual cost of pre-
 paring maps, plats or block books for Assessor when or-
 dered by Supervisors.

TRINITY COUNTY.

SurveyorFees

TULARE COUNTY.

Surveyorper year, \$2000

1 Deputyper year, 1200

Allowed \$720 per annum for chairmen, traveling and field
 expenses for self and chairmen or assistants in the field.

get it into the warehouses as quick as possible before the rain catches the farmer with thirty or forty thousand sacks stacked at the roadside, a delay then may mean ruin of the whole crop because the roads are unfit to carry the loads that must of necessity be imposed on them.

The soil in the rice section is of a character that requires a different treatment when building the subgrade and base of a highway from the one which it has gotten up to date. Fifteen years ago we required in our specifications for four-inch concrete sidewalks that wherever dobe soil was encountered the contractor should excavate said dobe from 2 to 6 inches and replace the same with sand or gravel so as to prevent the swelling of the dobe from pulling the concrete all to pieces. What should be done to the subgrade when it is of the kind of soil prevailing in the rice sections? It should receive heroic treatment, for the traffic closely resembles the traffic on Fifth avenue, New York. That it is not only the "Selfish Truckman" that wants to pile all he can on the truck is easily seen from the following extract from the San Francisco daily press:

"Before the city of Bakersfield purchased a Service motor truck for general use in municipal work of an exceedingly heavy character the Board of Supervisors of the big oil center is said to have demanded and was given one of the most convincing demonstrations ever staged for a like purpose.

"Confronting the municipality was the common problem with all growing communities, that of hauling road building materials. Frank E. Norman, Western representative of the Service Motor Truck Company, with headquarters at the Peacock Motor Sales Company, Service director, staged the demonstration which resulted in the sale of a five-ton dump truck.

"Loading the truck with 175 sacks of cement, each sack weighing ninety-six pounds, the truck started from the freight sheds to a distant point in the city where street work was under way. When the truck, with its load of 16,800 pounds of cement, had traveled a distance of over two blocks it overtook two horse-drawn wagons, each hauling two cubic yards of fine gravel and bound for the same point as the truck.

"While the weight of each wagon

TUOLUMNE COUNTY.

Surveyor Fees

VENTURA COUNTY.

Surveyorper year, \$2500

Deputies as many as necessary.

Allowed necessary expenses and transportation for work performed in the field, and necessary expenses for searching record and compiling Assessor's maps. Supervisors may allow additional help when they deem necessary.

YOLO COUNTY.

Surveyorper year, \$1500

Allowed transportation for field work. Not required to perform county work more than two-thirds of the working days in any month except on payment of fees allowed by law.

YUBA COUNTY.

Surveyorper year, \$1200

Allowed actual traveling expenses and other necessary expenses incurred by him while engaged in work for the county.

September 26, 1919.

Mr. George M. Nelson, C. E.,
 Consulting Engineer,
 403 Wells Fargo Express Bldg.,
 San Francisco, California.

Dear Sir: I am enclosing herewith a list of the employees of the Board of State Harbor Commissioners with their salaries. Very truly,

FRANK G. WHITE,
 Chief Engineer.

Chief Engineer	\$5000
Assistant Engineer	3600
Testing Engineer	2700
Office Engineer	2400
Designing Engineer	2700
1 Structural Engineer (Design)	2460
4 Structural Engineers (Design)	2400
1 Architectural Engineer (Design)	2400
1 Structural Engineer (Design)	2280
1 Mechanical Engineer (Design)	2280
9 Draftsmen	2100
1 Assistant Testing Engineer	2100
4 Construction Engineers	2400
7 Inspectors	2100
1 Transltman	2220
2 Transltmen	1860
4 Chairmen	1500

Chief Engineer, appointive. All others, Civil Service.
 All salaries per annum.

was approximately three tons, Norman proposed that the horses drawing them should be unhitched, the wagons coupled to the truck and the task of hauling the entire load be imposed upon the truck. The Supervisors immediately consented and the wagons and truck coupled up. The truck went blithly on its way, although it was hauling a load in excess of fourteen and one-half tons.

"The demonstration made by the Service truck for the City Fathers of Bakersfield was one of the most severe that I have given the truck," said Norman, "but it certainly was worth it."

Shades of the four-inch concrete slab, the City Fathers of Bakersfield countenancing such a performance.

LEE NAMED EXECUTIVE OF STATE WATER BOARD.

Governor Stephens announced that he would appoint October 1 Captain Charles S. Lee, formerly of Los Angeles and now of Berkeley, executive member of the State Water Commission to succeed A. P. Chandler, resigned.

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ADVANCE NEWS

Official Proposals, Etc.

BUILDING.

APARTMENT HOUSES

Plans Being Completed.
APARTMENT HOUSE Cost, \$11,500
FRESNO, Fresno Co., Cal. "F" and
 Fourthcamp Streets.
 Apartment house.
 Owner—Mrs. Emma L. White, Fresno.
 Architects—Glass & Butner, Hearst
 Bldg., San Francisco, and Cory
 Bldg., Fresno.

Plans to be Prepared.
APARTMENTS Cost, \$—
PETALUMA, Sonoma Co., Cal. Sites
 Under Consideration.
 Two modern apartment houses.
 Owner—Housing Committee of the
 Petaluma Chamber of Commerce
 composed of V. C. Mattel, Murray
 Herriman and H. P. Vogensen.
 Architect—Not Yet Selected.

Preliminary Plans Complete.
APARTMENTS Cost, \$750,000
FRESNO, Fresno Co., Cal. Exact Lo-
 cation Withheld.
 Three fireproof apartment houses.
 Owner—Withheld.
 Architects—Glass & Butner, Hearst
 Bldg., San Francisco, and Cory
 Bldg., Fresno.
 Working plans for two structures
 have been completed. Preliminary
 sketches for the third are now being
 prepared.

Contract Awarded.
APARTMENTS Cost, \$35,000
NAPA, Napa Co., Cal. Third and Ran-
 dolph Streets.
 Apartment building.
 Owner—Russ Conner and Wife, Napa.
 Architect—Not Given.
 Contractor—Mt. Diablo Building &
 Realty Co., Care Napa Water Co.,
 Napa, Cal.

Ready for Figures Next Week.
ADDITION Cost, \$15,000
SAN FRANCISCO. NW Ellis and
 Jones Streets.
 One-story brick addition to five-story
 brick apartments.
 Owner—Dr. L. C. Mendell, 415 Jones
 St., San Francisco.
 Architect—Miss Grace Jewett, Room
 814, 57 Post St., San Francisco.
 Miss Jewett will be ready to take
 figures after Monday, October 6th.
 Contractors need not call before then
 as plans will not be ready. Separate
 figures will be taken on plumbing,
 electric work and heating.

Segregated Figures Being Taken.
APARTMENTS Cost, \$45,000
SAN FRANCISCO. O'Farrell Street
 near Jones.
 Five-story reinforced concrete apart-
 ment house 28 2-room apartments.
 Owner—Frank S. Kelly.
 Architect—W. G. Hind, Phelan Bldg.,
 San Francisco.

YERRINGTON, Nevada.—A bond is-
 sue providing \$918,500 to provide a
 storage reservoir and irrigation sys-
 tem comprising 150,000 acres has been
 voted by the Walker River Irriga-
 tion District.

Plans to be Prepared. Construction
 Will be Started About First of the
 Year.
APARTMENTS Cost, \$75,000
FRESNO, Fresno Co., Cal. "J" and
 Sacramento Streets.
 Fireproof apartment house, site 100x
 150.
 Owner—Mrs. A. C. Mills, 106 Fresno
 St., Fresno.

BANKS

Contract Awarded.
BANK, ETC. Cost, \$—
TACOMA, Wash. Eleventh and Pacific
 Streets.
 Fifteen-story and basement fireproof
 bank, store and office building.
 Owner—Scandinavian-American Bank,
 Tacoma, Wash.
 Architect—Fred Weber, Philadelphia,
 Pennsylvania.
 Contractor—The Black Masonry Con-
 struction Co., St. Louis.

SAN FRANCISCO.—The Golden Gate
 Iron Works, 1541 Howard Street, has
 been awarded the contract for the
 structural steel for the new six-story
 Class "A" bank and office building for
 the Bank of Italy to be erected at the
 NW corner of Eddy and Powell streets.
 Bliss & Paville, Balboa Bldg., are the
 architects. Wrecking of the present
 building will be started October 3rd.
 Figures will be taken on the balance
 of the work as construction pro-
 gresses.

Contract Awarded.
ADDITION Cost, \$38,450
SANGER, Fresno Co., Cal.
 Brick and hollow tile band addition,
 47x77.
 Owner—The First National Bank, W.
 D. Mitchell, President, Sanger.
 Architect & Contractor—Anton John-
 son, Kingsburg, Cal.
 Contract price does not include fix-
 tures.

Excavation and Foundation Contract
 Awarded.
EXCAVATION, ETC. Cost, \$—
SAN FRANCISCO. NW Eddy and
 Powell Streets.
 Excavation, and concrete foundation
 for a six-story Class "A" bank and
 office building.
 Owner—Bank of Italy.
 Architects—Bliss & Paville, Balboa
 Bldg., San Francisco.
 Contractor—Duncanson-Harrelson Co.,
 Chronicle Bldg., San Francisco.
 The three-story Techau Tavern
 building now on the site has been sold
 to the United Wrecking Co., 705 Bran-
 nan street.

BONDS.

HAYWARD, Alameda Co., Cal.—The
 City Trustees have decided to submit
 a bond issue to the voters for \$335,000
 to finance construction of the follow-
 ing projects:

Municipal water plant, \$250,000; the
 building of a city hall on the plaza
 at a cost not to exceed \$45,000; the
 repair of the outlet sewer, \$25,000;
 and the acquiring of the park ground
 at the terminus of the electric road,
 \$15,000.

SACRAMENTO, Cal.—October 18th
 is the date set by the Sacramento
 Board of Education to vote bonds of
 \$3,304,000 with which to finance the
 construction of school improvements.
 A complete list of the work planned
 under the proposed issue was published
 in these reports under date of August
 28th.

PETALUMA, Sonoma Co., Cal.—The
 Trustees of the Walker, Two Rock
 and Iowa School Districts have or-
 ganized and are planning a bond elec-
 tion to erect a new union high school
 building.

RICHMOND, Contra Costa Co., Cal.—
 The City Council has set November 4th
 as the date to decide the question of
 issuing bonds of \$400,000 with which
 to finance construction of harbor im-
 provements.

LODI, San Joaquin Co., Cal.—Prin-
 cipal R. J. Custer of the City Gram-
 mar School have recommended the
 erection of a new school building, the
 present structures being inadequate.
 A building costing \$60,000 is asked,
 the funds to be raised by a bond issue.

WINTERS, Yolo Co., Cal.—The City
 Attorney has been instructed to pre-
 pare proceedings for an election to
 vote bonds of \$50,000 with which to
 finance construction of a new grammar
 school building.

MODESTO, Stanislaus Co., Cal.—Bids
 will be received by County Clerk H.
 Benson up to October 14th, for the
 purchase of the \$11,000 bond issue of
 the Mitchell School District, the pro-
 ceeds of the sale to finance construc-
 tion of a new school building.

COLUSA, Colusa Co., Cal.—The City
 Trustees have sold the \$20,000 bond
 issue to finance the construction of a
 municipal bath house from plans pre-
 pared by Architect Edwin J. Symmes,
 1700 Pearl St., Alameda.

CHICO, Butte Co., Cal.—October 18th
 is the date set by the Board of Edu-
 cation to vote bonds of \$450,000 with
 which to finance construction of a new
 high school building.

Plans for the structure have been
 prepared by Architects Woollett &
 Lamb, Physicians Bldg., Sacramento,

and provide for a reinforced concrete building, two stories in height, containing about thirty-five rooms and auditorium.

BISHOP. Inyo Co., Cal.—Bishop Union High School District, Inyo Co., will vote October 15, on issuing \$150,000 bonds for new high school buildings. The trustees are: Ada E. Stofflet, Lida A. Leichman, W. A. Cashbaugh, P. E. Keough and Thomas Williams. W. H. Weeks Jr., 75 Post St., San Francisco, will be the architect.

MARYSVILLE. Yuba Co., Cal.—October 30th is the date set by the Board of Education to vote bonds of \$250,000 with which to finance construction of a new high school building.

Architect W. H. Weeks, 75 Post St., San Francisco, has been selected to design plans for the building.

PHOENIX, Ariz.—The Salt River Valley Water Users' Association will vote October 28, on the question of spending \$600,000 to build a 5000 kilowatt steam power plant to supplement the hydraulic power plants operated by the association, also on the question of the association engaging in drainage operations and spending \$75,000 a year for drainage work.

SAN LUIS OBISPO. San Luis Obispo Co., Cal.—The \$1,420,000 bond issue for good roads throughout the county was defeated at an election held here recently as was the proposition to bond for \$80,000 with which to purchase a courthouse site.

CHICO. Butte Co., Cal.—The Bidwell Park Commissioners have asked the City Trustees to provide \$12,000 in the budget for improvements at Bidwell Park.

It is proposed to construct a concrete dam across Chico Creek which flows through the park and to make a miniature lake for swimming and boating. Improvements of roads to the Five Mile Dam and a fencing plan by which the park will be enclosed for pasture and preservation are the ambitions of the commissioners.

CHURCHES

To be Done by Day Labor.

CHURCH Cost, \$25,000
FOREST GROVE, Oregon.

Brick church building, 71x71.

Owner—Congregational Church. Rev.

W. W. Blair, Pastor, Forest Grove.

Architect—E. E. McClaren, Lumber

Exchange Bldg., Portland, Ore.

FACTORIES & WAREHOUSES

Plans Being Completed.

PRINTING PLANT Cost, \$40,000

FRESNO, Fresno Co., Cal. Kern and

"L" Streets.

Fireproof printing plant, 80x140.

Owner—The Republican Printery,

Fresno.

Architects—Glass & Butner, Hearst

Bldg., San Francisco, and Cory

Bldg., Fresno.

Contract Awarded.

FACTORY Cost, \$15,600
SAN FRANCISCO. NE Fifth and Folsom Streets.

Two-story brick and reinforced concrete factory building.

Owner—Pacific Bag Co.

Architect—S. Helman, 57 Post St., San Francisco.

Contractor—W. C. Duncan & Co., Sharon Bldg., San Francisco.

Plans to be Prepared.

STORAGE PLANT Cost, \$165,000
SALEM, Ore.

Three-story fireproof cold storage plant.

Owner—Phez Co., Salem, Ore.

Architect—Not Yet Selected.

Plans Being Prepared.

BUILDINGS Cost, \$2,000,000 approximately.
AVON, Contra Costa Co., Cal.

Group of reinforced concrete and brick buildings (refinery, tanks, pipe lines, etc.)

Owner—Associated Oil Co., Sharon Bldg., San Francisco.

Architect—Engineering & Construction Dept. of Owner (Mr. Jers in charge)

The construction of this addition to the company's present plant will take about a year to complete. Most of the work will be done by days labor and sub-contracts.

Contract Awarded.

ADDITION Cost, \$20,000
SAN FRANCISCO. E Second St. 127 S.

Harrison.

Two additional stories to brick loft building.

Owner—L. A. Giacobbi.

Architect—Edw. G. Bolles, 233 Post St., San Francisco.

Contractor—Peter Lechner, 447 2d St., San Francisco.

MORENCI, Ariz.—The Phelps Dodge Corporation has definitely decided to build a new mill for the treatment of its Morenci ores. A concentrator of 2000 tons capacity is contemplated. A new five-compartment shaft will also be sunk. The corporation estimates it will be necessary to spend \$2,500,000 to \$3,000,000 to place its properties on an economical producing basis.

Plans Being Prepared.

WAREHOUSE, ETC. Cost, \$—
SEATTLE, Wash. Lake Union Addition.

Piling pier (46,000 sq. ft.; 700 piles) heavy timber warehouse, 200x50 ft.

Owner—Lake Union Dock Co., Seattle.

Engineer—James E. Blackwell, 823 Seaboard Bldg., Seattle.

FLATS

Plans Being Figured.

FRAME FLATS Cost, \$—
SAN FRANCISCO. S Green Street W

of Powell Street.

Two-story and basement frame (4 flats 2 4-room and 2 5-room flats).

Owner—Fred Marra.

Architect—C. Fantoni, 550 Montgomery St., San Francisco.

Contract Awarded.

FLATS. Cost, \$60,000
LOS ANGELES, Cal. NW Sixth and St.

Andrews Boulevard.

Two-story frame and plaster flats (8 7-room flats, also two-story garage with 8 living rooms.)

Owner—Wm. Howe Phelps.

Architect and Contractor—Chas. D. Wagner, 613 Haas Bldg., Los Angeles.

GARAGES

Contract Awarded.

GARAGE Cost, \$—
OAKLAND, Alameda Co., Cal. SE

Webster and 23rd Sts.

Carpentry work and foundations for a one-story & mezzanine floor Class "C" garage.

Owner—H. A. Mitchell.

Architect—Reed & Corlett, Union Svgs. Bank Bldg., Oakland.

Contractor—Nelson & Forsyth, Union Svgs. Bank Bldg., Oakland.

Plans Being Prepared.

Contract

GARAGE Cost, \$—
CROCKETT, Contra Costa Co., Cal. on

the State Highway.

One-story and basement concrete garage, 50x100.

Owner—Antonio Dowrelio, Crockett.

Architect and Contractor—A. H. Boucke, Crockett.

Plans Being Figured.

GARAGE. Cost, \$—
LOS BANOS, Merced Co., Cal.

One-story reinforced concrete garage 150x50, with two-story annex, 30x

50, for offices and apartment of 9 rooms.

Owner—Withheld.

Architect—C. Fantoni, 550 Montgomery St., San Francisco.

Plans Being Prepared.

GARAGE, ETC. Cost, \$20,000
HAYWARD, Alameda Co., Cal. SE

"A" and Main Streets.

Two-story reinforced concrete garage and auto sales rooms (Chevrolet Agency.)

Owner—Mrs. Armstrong, Hayward.

Architect—Sidney B. Newsom, Nevada Bank Bldg., San Francisco.

Plans will be ready for figures in about a week.

CITY GARAGE BIDS WANTED.

SAN FRANCISCO.—The Board of Public Works will receive bids up to October 15th for the construction of the garage building in connection with the heating and ventilating alterations for the Central Fire Alarm Station. The structure will cost \$3,000. Bond of \$1,500 required.

Plans may be had from the Bureau of Architecture, 2nd Floor, City Hall.

Sub-figures Being Taken.

GARAGE, ETC. Cost, \$10,000
SAN FRANCISCO. SE Jackson and

Sansome Streets.

One-story brick shop and garage, 46x 137.

Owner—Bothin Real Estate Co.

Architect—J. A. Ettler, 604 Mission

St., San Francisco.

GOVERNMENT WORK AND SUPPLIES

WASHINGTON, D. C.—The opening date for the electrical lighting and power system for the structural shop at Mare Island has again been post-

poned. The new date being October 29th. Specification No. 3982.

WASHINGTON, D. C.—No bids were received by the Bureau of Yards and Docks, Navy Department, for the construction of an extension to Building No. 178 at the Puget Sound Navy Yard. The work is provided for under Specification No. 4009.

Navy Department, Office of the Chief of the Bureau of Yards and Docks, Washington, D. C.—Sealed proposals are wanted until October 15, 1919, specification #033, for the completion of steel fuel oil tank at San Diego, Cal. For further information address the above office.

WASHINGTON, D. C.—The following bids were received on September 24 by the Chief of the Bureau of Yards and Docks, Navy Department, Specification 3837, for a reciprocating air compressor at the navy yard, Puget Sound, Washington:

Allis-Chalmers Mfg. Co., Milwaukee, Wis., item 1, \$56,900, shpt 150 days.
Worthington Pump and Machinery Corporation, Homer Bldg., Washington, D. C., \$67,575, 250 days.
Ingersoll-Rand Co., 11 Broadway, New York City, \$69,200, time 125 days; alternate bid, \$62,550.

STOCKTON, Cal.—The following bids were received September 26th by the Custodian at the U. S. Post Office at Stockton for the construction of an ornamental iron fence:

C. Frauneder, Oakland.....	\$ 485.00
H. Hallensleben, San Francisco	912.00
Builders Iron Works, Stockton	899.50
West Coast Iron & Wire Works	
San Francisco	1365.00
Folsom Street Iron Works....	1508.00

WASHINGTON, D. C.—Plans for various improvements are being completed in the offices of the Bureau of Yards and Docks, Navy Department, Washington, D. C., for Pacific Coast Navy Yards. A summary of the work planned in the immediate future and for which plans are now being completed follow:

Specification 4047—Central Building at San Diego for the Marine Corps Base.
Specification 4039—Puget Sound storehouse for pyrotechnics.
Specification 4024—Puget Sound Extension to Engine Room A.
Specification 4018—Mare Island installation of 4,000 K-W turbo generator.
Further mention of these projects will be made when same are ready for figures.

MARE ISLAND, Cal.—The following bids were received at Mare Island and Washington, D. C., on September 30th for the construction of a group of hospital buildings to be erected at Pearl Harbor, T. H. U. S. Naval Reservation, under Specification No. 3931. Bids were also received at The Naval Station, Pearl Harbor, and will be reported later.

C. L. Wold, 75 Sutter St., San Francisco (1) \$363,889; 270 days; (2) \$314,104; 270 days; (3) \$51,500; 270 days; (4) \$20,547; 270 days.
Hawaiian Contracting Co., Honolulu (1) \$395,200, 270 days; (2) \$338,000, 270 days; (3) \$64,670, 200 days; (4) \$35,251, 200 days; (5) add \$2,400.

Campbell Bldg. Co. of Utah, Salt Lake City, (1) \$511,050, 240 days; (2) \$426,050, 240 days; (3) \$53,000. — days; (4) \$32,000. — days; (5) add \$2,500.
The following is the only bid received at Washington, D. C.:
C. E. Carson, Chicago, (1) \$380,000; (2) \$325,000; (3) \$65,000; (4) \$45,000; (5) add \$1,500.

RIVERSIDE, Cal.—The War Department has asked congress to appropriate \$500,000 to purchase additional land and erect necessary buildings at March field which will be the center for all heavier-than-air craft on the Pacific coast. A total of \$15,000,000 is asked for improvement of army and naval stations on the coast, including the hydroplane base on North Island, and marine post on Dutch Flats and naval hospital at Balboa Park, San Diego; submarine base at Los Angeles harbor, and the balloon camp at Arcadia.

WASHINGTON, D. C.—The following firms have secured plans and specifications from the office of the Supervising Architect, Treasury Department, Washington, D. C., for the erection of the proposed public building to be erected in Honolulu, T. H. Bids for which will be opened on November 3rd:

Gartenberg Construction Co., 426 6th Ave., Brooklyn, N. Y.
American Factors, Limited, 82 Wall St., New York City.
Hawaiian Dredging Co., Limited, 1005 Wells Fargo Bank Bldg., San Francisco.
Hawaiian Contracting Co., Ltd., 1005 Wells Fargo Bldg., San Francisco.
San Francisco Bridge Co., 1005 Wells Fargo Bldg., San Francisco, Cal.
York & Sawyer, 50 East 41st St., New York City.

The Connors Bros. Co., 15 West 91st St., New York City.
P. J. Carlin Construction Co., 1183 Broadway, New York City.
Hamilton & Chambers, 29 Broadway, New York City.
Campbell Bldg. Co., Salt Lake City, Utah.

Dougan & Chrisman, 312 Boston Bldg., Seattle, Wash.
Geo. Wagner, San Francisco, Calif.
Warren Bros. Co., Rialto Bldg., San Francisco, Calif.

Plans have been given out by the Bureau of Yards and Docks, Navy Department, Washington, D. C., to the following for the power plant improvements at Pearl Harbor, T. H. The estimated cost of which is \$130,000, bids to be opened on October 22nd under Specification No. 3856:

Thompson Bros., 123 North 5th St., Philadelphia, Pa.
Carroll Electric Co., 714 12th St., N. W., Washington, D. C.
Almiral & Co., 1 Dominick St., New York City.
Standard Water System Co., Hampton, N. J.
Adams, Britz & Co., Inc., 1759 Park Ave., New York City.
Wheeler-Green Electric Co., 29 St. Paul St., Rochester, New York.
John W. Danforth Co., 70 Ellicott St., Buffalo, N. Y.
White City Electric Co., 724 9th St., N. W., Washington, D. C.
Austin Heating Corporation, 121 West 42nd St., New York City.

M. J. Dougherty Co., North American Bldg., Philadelphia, Pa.
Whitlock Coil Pipe Co., Hartford, Conn.

General Electric Co., Schenectady, New York.

Harrison Safety Boiler Works, Philadelphia, Pa.

Chas. C. Moore & Co., 1st and Market Sts., San Francisco, Calif.

Wheeler Condenser & Engineering Co., Carteret, N. J.

General Heating & Ventilating Co., 198 Milwaukee St., Milwaukee, Wis.

Buffalo Forge Co., Buffalo, N. Y.

Coleman-Shoemaker, Inc., Commercial trust Bldg., Philadelphia, Pa.

Allis-Chalmers Manufacturing Co., Washington, D. C.

Stewart Engineering Corporation, 61 Broadway, New York City.

Penn. Bridge Co., Beaver Falls, Pa.

Westinghouse Electric & Manufacturing Co., Washington, D. C.

Plans for work at Mare Island and San Diego have been given out as follows:

Mare Island, Calif., Electric Lighting and Power Systems; Estimated, \$25,000; Opened —; Specification 3982.

John R. Proctor, 74 Courtland St., New York City.

Howard P. Foley Co., Washington, D. C.

Riggs, Distler & Stringer (Inc.), 216 N. Calvert St., Baltimore, Md.

Carroll Electric Co., 712 12th St., Washington, D. C.

Westinghouse Electric & Mfg. Co., Washington, D. C.

General Electric Co., Schenectady, New York.

White City Electric Co., Washington, D. C.

Ridgeway Dynamo and Engineering Co., New York City.

E. J. Electric Installation Co., 221 West 23rd St., New York City.

Connor Electric Co., 258 Washington St., Boston, Mass.

Standard Engineering Co., 61 Broadway, New York City.

Crocker Electric Co., 1270 Broadway, New York City.

C. H. Wheeler Mfg. Co., Lehigh and Sedgley Aves., Philadelphia, Pa.

Stewart Engineering Co., 61 Broadway, New York City.

Mare Island, Calif., Torpedo Storehouse and Compressor and Separation Building; Estimated Cost, \$60,000; Opened, —; Specification 3991.

White City Electric Co., Washington, D. C.

San Diego, Calif., Water Supply and Sewer System and Fuel Oil Reservoir; Estimated Cost, \$200,000; Opened —; Specification 4007.

Hyde & Baxter, 711 13th St., N. W., Washington, D. C.

White City Electric Co., Washington, D. C.

H. D. Hallett, 132 Downer Place, Aurora, Ill.

Whitlock Coil Pipe Co., Hartford, Conn.

Standard Water Systems Co., Hampton, N. J.

John W. Danforth Co., 70 Ellicott St., Buffalo, New York.

Mansfield & Savage, 135 William St., New York City.

Thompson Bros., 123 North 5th St., Philadelphia, Pa.

Rensselaer Valve Co., 30 Church St., New York City.

Chicago Bridge & Iron Works, 20

Church St. New York City.

Kinney Mfg. Co., 3529 Washington St., Chicago, Ill.

WASHINGTON, D. C.—Bids received by the Public Works Officer, Pearl Harbor, H. T., on September 10th, for the construction of torpedo racks under Specification No. 4008 are as follows:

Hawaiian Contracting Co., Honolulu, H. T., \$25,800; 150 days.

Wooley & Beeton, Honolulu, H. T., \$24,771; 100 days.

The contract was awarded to Wooley & Beeton.

HALL AND SOCIETY BUILDINGS.

Plans Being Figured.

COUNTRY CLUB Cost, \$—

MILL VALLEY, Marin Co., Cal.

One-story frame country club (rustic exterior).

Owner—Mill Valley Country Club. George Lowell, Mgr., Care Great Western Power Co., 9 Main St., San Francisco, and 650 Lovell St., Mill Valley.

Architect—W. H. Ratcliff, 1st National Bank Bldg., Berkeley.

Contract Awarded.

LODGE BUILDING Cost, \$—

LAKEPORT, Lake Co., Cal.

Two-story reinforced concrete addition for lodge building, 30x40.

Owner—Masonic Hall Association, Lakeport, Cal.

Architect—Not Given.

Contractor—Bardwell & Zimmerman, Callstoga, Cal.

Plans to be Prepared.

LABOR TEMPLE Cost, \$—

FRESNO, Fresno Co., Cal.

Fireproof labor temple.

Owner—Central Labor Council and Fresno Building Trades Council. Building Committee composed of Charles Pilgrim, C. C. Jarman and W. E. Banker. W. C. Atkins is Secretary.

Architect—Not yet Selected.

Contract Awarded. Foundations Started.

CLUB BUILDING Cost, \$—

MADERA, Madera Co., Cal. Fifth and "C" Streets.

One-story hollow wall concrete club building, 50x100.

Owner—Catholic Club Ass'n. of Madera, Madera, Cal.

Designer & Contractor—A. Gendron, Madera, Cal.

HOSPITALS

Ready for Figures About November 1st

HOSPITAL Cost, \$700,000

OAKLAND, Alameda Co., Cal. 14th

Avenue and E-27th Street.

First unit Class "A" hospital.

Owner—Alameda County.

Architect—Henry H. Meyers, Kohl Bldg., San Francisco.

Ready for Figures Next Week.

ADDITION Cost, \$50,000

WOODLAND, Yolo Co., Cal.

Addition to Sanitarium.

Owner—Woodland Sanitarium.

Architect—W. H. Weeks, 75 Post St., San Francisco.

SAN PEDRO, Los Angeles Co., Cal.

—A committee of five doctors and three members of the Chamber of Commerce has been appointed to cooperate with the Sisters of St. Joseph in building a new hospital in San Pedro. The sisters agree to pay 80% of the cost of a building provided the city will provide 20%. The proposed hospital will have 50 beds and about 14 private rooms. C. H. Cleveland is chairman of the Chamber of Commerce Committee. The other members are C. F. Waite and E. W. Sandison. The doctor's committee consists of Drs. M. C. Robins, W. D. Moore, F. W. Reynolds, W. E. Guldinger and F. W. Marotz.

Preliminary Sketches Prepared.

HOSPITAL Cost, \$30,000

available.

VALLEJO, Solano Co., Cal.

Three-story fireproof hospital building

Promoter—R. W. Vance, formerly in charge of infirmary at Bassen's Docks in France.

Architect—J. Benjamin Hayes.

Others interested in the project are Frederick C. Moore, certified public accountant and efficiency expert and W. H. Alsford, formerly with the Standard Oil Company.

It is likely that the plans which Dr. B. J. Klotz recently had drawn up by Architect C. E. Perry, of Vallejo, for a local hospital will be considered and the building will conform with them except for minor changes.

HOTELS

Plans Being Prepared. Contract

Awarded.

HOTEL AND RESIDENCE

Cost, \$250,000 hotel; \$80,000 residence.

LINDSAY, Tulare Co., Cal.

Tourist hotel and large residence.

Owner—Wm. Gillette.

Architect—The Milwaukee Bldg., Co., 315 Wright & Callender Bldg., Los Angeles.

Contract Awarded.

ALTERATIONS Cost, \$—

SANTA CRUZ, Santa Cruz Co., Cal. No.

171 Pacific Avenue.

Remodel hotel building into lodge hall, etc.

Owner—Santa Cruz Elks.

Architect—None.

Contractor—Dan R. Wagner, 224 Judah St., San Francisco.

Segregated Figures Being Taken.

COMPLETE HOTEL Cost, \$125,000

SAN FRANCISCO. SW Eddy & Mason

Streets.

Complete six-story Class "C" brick hotel and store building (interior finish, plumbing, heating, glazing, etc.)

Owner—Estate of J. K. Prior.

Architect—Earl B. Scott, Humboldt Bk. Bldg., San Francisco.

This building was started in 1911, but work was stopped after the frame was erected.

Plans Being Urepared.

HOTEL Cost, Between \$350,-

000 and \$400,000.

FRESNO, Fresno Co., Cal. "M" and

Mariposa Streets.

Six-story and basement reinforced con-

crete hotel, 350 rooms each having private bath.

Owner—S. N. Griffith, Griffith-McKenzie Bldg., Fresno.

Architect—Glass & Butner, Cory Bldg., Fresno.

Contract Awarded.

HOTEL Cost, \$160,000

SANTA ANA, Orange Co., Cal. North

Broadway and Birch Streets.

Three-story and basement reinforced concrete and frame tourist hotel.

(All work except mechanical equipment.)

Owner—A Santa Ana Syndicate (W. A. Huff, John Cribbon, H. F. Fory, G. B. Shattuck and A. J. Crookshank are Trustees).

Architect—Myron Hunt, 1017 Hibernian Bldg., Los Angeles.

Contractor—Edward C. English, 508-10

Citizens Nat'l. Bank Bldg., Los Angeles.

Owner Taking Figures.

LODGING BLDG. Cost, \$—

OAKLAND, Cal. Elmhurst and Tele-

graph Ave. or Grove St., Oakland.

Two one-story frame lodging buildings for car workers.

Owner—San Francisco, Oakland Terminal Railways, 22nd and Grove Sts., Oakland.

Architect—Withheld.

Plans Being Revised.

FRAME HOTEL Cost, \$—

BISHOP, Inyo Co., Cal.

Two-story reinforced concrete and frame hotel, 80 rooms, 60 bath-

rooms, etc.

Owner—A. J. Merrill, et al.

Architect—The Engineering Service Co., 816 Washington Bldg., Los Angeles.

The plans are being prepared under the supervision of Karl D. Schwen-dener, the company's architect.

LIBRARIES

Plans to be Prepared.

LIBRARY Cost, \$10,000

GLEN ELLEN, Sonoma Co., Cal.

One-story stone memorial library (Jack London Memorial).

Owner—Citizens of Glen Ellen.

Architect—Harry Merritt, 1801 Van Ness Ave., San Francisco.

PUBLIC BUILDINGS

WOODLAND, Yolo Co., Cal.—Archit-

ect W. H. Weeks, 75 Post Street, San Francisco, has submitted estimates to the City Council for remodeling the present City Hall. Architect Weeks estimates the work to cost about \$30,000. No action has been taken by the City Trustees.

REDDING, Shasta Co., Cal.—The City Trustees are planning a bond issue of \$75,000 with which to finance construction of a memorial building for the soldiers who lost their lives in the war.

Completing Plans.

LIBRARY Cost, \$55,000

SAN FRANCISCO. N Sacramento St.

bet. Baker and Lyon Sts., 117x225.

Two-story brick and concrete library (Presidio Branch).

Owner—S. F. Library Trustees Carne-

gle Fund.

Architect—G. A. Lansburgh, Gunst Bldg., 709 Mission St., San Francisco.

Plans will be complete and ready for figures the end of this month.

Contract Awarded.

ADMINISTRATION BLDG.

Cost, \$400,000 approximately.

LOS ANGELES. University Grounds. Three-story and basement reinforced concrete and hollow tile administration building, 254x157.

Owner—University of Southern California.

Architect—John Parkinson, 420 Title Insurance Bldg., Los Angeles.

Contractor—Edward C. English, 508-10 Citizens Nat'l. Bank Bldg., Los Angeles.

The plumbing contract was awarded to Howe Bros., heating to Thomas Haverly Co.; structural steel to Baker Iron Works; painting to John W. Caton; and electric work to Foulkes Electric Co.

SACRAMENTO, Cal.—The State Engineering Department has awarded a contract to Matt Green of Tahoe City for the construction of the hatchery for the State Fish and Game Commission at Lake Tahoe. The contract price is \$20,350.

BOISE, Idaho.—Bids received for the construction of the addition to the State Capitol building at Boise shows James & Stewart & Co., of Salt Lake City, Utah, low at \$770,000 and they were awarded the contract, which includes the heating, electric wiring and plumbing work.

RICHMOND, Contra Costa Co., Cal.—The City Council has awarded a contract to P. M. Sanford, 666 20th St., Richmond, at \$650 for the construction of a shed for the automobiles owned by the city. The structure will be erected adjoining the City Hall.

SAN FRANCISCO.—The following bids were received by the Supervising Architect, Post Office Bldg., San Francisco, for the extension and remodeling of boiler room in boiler building at the U. S. Marine Hospital, San Francisco:

Barrett & Hilp.....	\$5,949
A. H. Vogt.....	5,963
Unit Construction Co.....	6,362
Thos. A. Cavanagh.....	6,475
John Flaherty.....	6,887

RESIDENCES.

Plans Being Prepared.

REMODEL RESIDENCE Cost, \$5,000
FRESNO. Fresno Co., Cal. Tulare St. Remodeling residence.

Owner—Mrs. Chas. Griffith, Fresno.
Architects—Glass & Butner, Hearst Bldg., San Francisco, and Cory Bldg., Fresno.

Plans Being Figured

RESIDENCE Cost, \$20,000
RENO, Nevada.
Two-story and basement brick residence.

Owner—W. H. Duncan.
Architect—Geo. C. Sella, 1065 8th St., Sacramento, Calif.

Plans Being Prepared.

BUNGALOWS Cost, \$5,000 each
SAN FRANCISCO. Forty-seventh Ave. and Cabrillo Street.

Twelve one-story 4 and 5-room frame bungalows.

Owner—Withheld.

Architects—Rousseau & Rousseau, 110 Sutter St., San Francisco.

Plans Being Prepared. Ready for Figures in About Ten Days.

RESIDENCE Cost, \$20,000
CONCORD, Contra Costa Co., Cal.

Two-story frame residence (10 rooms and 4 bathrooms).

Owner—Mrs. Geo. W. McNear.

Architect—Benj. G. McDougall, Sheldon Bldg., San Francisco.

Plans to be Prepared.

RESIDENCE Cost, \$—
BURLINGAME, San Mateo Co., Cal.

Large country residence.
Owner—Col. D. C. Jackling, St. Francis Hotel, San Francisco.

Architects—Bakewell & Brown, 251 Kearny St., San Francisco.

Plans will be started shortly. Nothing definite has been decided as to size, style, etc.

Contract Awarded.

RESIDENCES Cost, \$7,000 each
SAN FRANCISCO. St. Francis Wood.

Two two-story frame residences.
Owner—St. Francis Home Building Co., 278 Post St., San Francisco.

Architect—H. H. Guttererson, 278 Post St., San Francisco.

Contractor—John Morton, 180 Jessie St., San Francisco.

Contract Awarded

RESIDENCE Cost, \$10,000

SAN FRANCISCO. St. Francis Wood. Two-story frame residence.

Owner—St. Francis Home Building Co., 278 Post St., San Francisco.

Architect—H. H. Guttererson, 278 Post St., San Francisco.

Contractor—John Bjorkman, 115 Seville St., San Francisco.

Sketches Being Prepared.

RESIDENCE, ETC. Cost, \$8,500
SAN FRANCISCO. Northwood Drive, Westwood Park.

Two-story seven-room frame residence and garage.

Owner—Withheld.

Architect—Miss Ida McCain, 318 Kearny St., San Francisco.

Plans Being Prepared. Ready for Figures About Wednesday.

RESIDENCE, ETC. Cost, \$8,000
BERKELEY, Alameda Co., Cal. Ashby Avenue near Claremont.

Two-story and basement frame residence and garage (8 rooms).

Owner—Mrs. Wm. F. Endress.

Architect—Jas. W. Plachek, 2014 Shattuck Ave., Berkeley.

Plans Being Prepared.

RESIDENCE ETC. Cost, \$7,500
SAN FRANCISCO. Miramar Avenue, Westwood Park.

One-story 6-room frame residence and garage.

Owner—Withheld.

Architect—Miss Ida McCain, 318 Kearny St., San Francisco.

Completing Plans.

RESIDENCE Cost, \$—
PLINTRIDGE, Los Angeles Co., Cal.

Two-story brick and stucco residence 15 rooms, 5 bathrooms (swimming pool, garden wall, terraces, etc.)

Owner—W. P. Hanson.

Architect—Harwood Hewitt, 1130 Van Nuys Bldg., Los Angeles.

SCHOOLS

CONCORD, Contra Costa Co., Cal.—Bids received by the Trustees of the Mt. Diablo Union High School District

Henry Eicher, Clerk, for furnishing and installing lockers in the new

gymnasium building have been rejected owing to an irregularity in advertising for bids and new bids will be taken shortly.

Plans for the building were designed by Architects Wright & Sala, Bank of Italy Bldg., Stockton. The contract has been let to L. V. Perry of Concord at \$17,800.

Plans Being Figured. Bids Close Nov. 1, 1919.

SCHOOL Cost, \$130,000

CHANDLER, Arizona. Three two-story brick school buildings

Owner—Chandler High School District. Maricopa Co., A. T. Morgareidge Clerk.

Architects—Allison & Allison, Hibernian Bldg., Los Angeles.

Plans may be obtained from the architects, also at office of Architect Curtis Tobey, Chamber of Commerce Bldg., Phoenix, Ariz. A deposit of \$1 will be required from all contractors receiving plans. Bids will be received separately as follows: (1) excavating concrete, carpentry and iron work; (2) masonry and terra cotta work; (3) sheet metal work; (4) tile roofing; (5) composition roofing; (6) plastering (7) blackboards; (8) painting; (9) electrical work; (10) plumbing; (11) program clocks; (12) hardware; (13) heating.

HERMOSA BEACH, Los Angeles Co., Cal.—John Simpson & Co., Grant Bldg., Los Angeles, submitted the lowest bid at \$62,500 on the general contract for the erection of a new grade school building at Hermosa Beach in accordance with plans and specifications prepared by Architect Herbert C. Howard, 619 Broadway Central Bldg.

The low bidders on the other contracts were as follows: J. G. Robertson Electric Co. of Santa Ana, on the electric fixtures at \$738; E. W. Crowell on the plumbing at \$3799; D. Zellinsky & Sons, on the painting at \$2045, and J. G. Robertson Electric Co. of Santa Ana, on the electric wiring at \$1495.

The bids were taken under advisement.

Plans Being Prepared. KINDERGARTEN, ETC. Cost, \$75,000

GLENDALE, Los Angeles Co., Cal. Two hollow tile kindergarten buildings and a brick addition to the intermediate school.

Owner—Glendale Grammar School District.

Architects—Jeffery & Schaefer, 1104 Kerckhoff Bldg., Los Angeles.

Kitchens Approved. Working Drawings Being Prepared.

SCHOOLS Cost, \$—
FRESNO, Fresno Co., Cal.
 Seven brick, terra cotta and reinforced concrete school buildings for Fresno High School District. Shops, cafeteria, assembling rooms, modern dairy buildings, etc.
 Owner—Fresno School District.
 Architects—Coates & Traver and F. R. Felchin, Rowell Bldg., Fresno.

Plans Being Prepared.
AUDITORIUM Cost, \$50,000
SANTA ANA, Orange Co., Cal.
 Brick auditorium building.
 Owner—Santa Ana High School District.
 Architect—Norman F. Marsh, Broadway Central Bldg., Los Angeles.

Plans Being Prepared.
ADDITION Cost, \$50,000
BISBEE, Arizona.
 Two-story reinforced concrete addition to high school.
 Owner—Bisbee High School District.
 Architects—Norman F. Marsh, Broadway Central Bldg., Los Angeles.

Contract Awarded.
SCHOOL Cost, \$39,098
CASHMERE, Washington.
 Two-story and basement brick community center and high school, 106x75.
 Owner—Cashmere School District.
 Architects—Stephen & Stephen, New York Block, Seattle, Wash.
 Contractor—Lewis F. Spidel, Leavenworth, Wash.

Contract Awarded.
SCHOOL Cost, \$25,000
WILBUR, Oregon.
 One-story brick school (6 class rooms and auditorium), 64x153.
 Owner—Wilbur School District.
 Architect—E. E. McClaran, Lumber Exchange Bldg., Portland, Ore.
 Contractor—C. W. Frazier, 1396 Curtis St., Portland, Ore.

FRESNO, Fresno Co., Cal.—In addition to plans recently approved for school improvements the Board of Education has approved plans for the following:

Kirk School, plans by Architects Coates & Traver, Rowell Bldg., Fresno.
 Jackson School, plans by Architect Ernest J. Kump, Rowell Bldg., Fresno.
 John Muir School, plans by Architects Glass & Butler, Rowell Bldg., Fresno.

Jefferson and Washington Schools, plans by Architect Eugene Mathewson

Plans Being Revised.
SCHOOL Cost, \$10,000
ROSEDALE, Fresno Co., Cal.
 Two-room school building including library and toilets.
 Owner—Rosedale School District.
 Architects—Glass & Butler, Hearst Bldg., San Francisco, and Cory Bldg., Fresno.

NOTE:—Bids were opened for this building on October 1st, and were rejected as being above the amount available for construction.

Bonds Voted. Plans Being Completed.
GYMNASIUM BLDG. Cost, \$35,000
OREGON CITY, Oregon.
 Fireproof gymnasium building.

Owner—Oregon City High School District.

Architects—Whitehouse & Foulhoux, Railway Exchange Bldg., Portland.

FRESNO, Fresno Co., Cal.—Architects Swartz & Swartz, Rowell Bldg., have awarded a contract to Chas. Tibbs, Selma, for the erection of a lavatory building at \$1,633 and to Fred L. Bates of Selma at \$1,270 for the plumbing on same at the Walnut School. No contract was awarded for the pneumatic water pumping plant for the same school.

EUREKA, Humboldt Co., Cal.—The School Board has accepted the bid of Louis Halvorsen, 2036 "S" Street, Eureka, for an asphalt roofing on the gymnasium building at the high school.

BERKELEY, Cal.—The following bids were received September 30th by the Secretary of the Berkeley Board of Education for furnishing the necessary materials, tools and labor for doing certain Brick Work and Artificial Stone Work for the construction of alterations and additions at the Edison School, situated on the south side of Oregon street, between Grant street and McGee avenue, in accordance with plans and specifications by Architect W. H. Ratcliff, First National Bank Bldg., Berkeley:
 Mealey & Collins, 180 Jessie St., "San Francisco".....\$17,245
 W. T. Bond.....18,000
 Wm. Bruce.....18,500

WOODLAND, Yolo Co., Cal.—The City Board of Education is contemplating the purchase of furniture for the new Bay Terrace School which will be ready for occupancy about January 1st, 1920.

The Board plans the expenditure of \$4,315 in furnishing the building.

Contract Awarded.
SCHOOL Cost, \$91,500
EL SEGUNDA.
 One-story and basement brick school.
 Owner—El Segunda School District.
 Architects—Tram & Williams, 226 Exchange Bldg., Los Angeles.
 Contractor—J. A. Crook, 619 Exchange Bldg., Los Angeles.

The Pacific Gas Radiator Co., submitted the lowest bid at \$2040 for furnishing and installing gas radiators, and Thomas Haverly Co. was low at \$4485 for furnishing and installing plunge equipment. The bids for radiators and plunge equipment were taken under advisement.

FRESNO, Fresno Co., Cal.—The City Board of Education has approved plans for the following school improvements and will call for bids within the next few days:

Arlington Heights School and Franklin Kindergarten from plans by Architect Robert Hotchkiss, Rowell Bldg., Fresno.

Addition of eight rooms to Webster Street School from plans by Architects Swartz & Swartz, Rowell Bldg., Fresno. J. R. Fontaine is secretary of the Board of Education.

GLOBE, Ariz.—Jay Garfield of Globe, was awarded the contract at \$117,390 to erect the new Hill Street grammar

school. The Whalley Lumber Co. was awarded the contract at \$84,300 to erect the addition to the high school. Trost & Trost, of El Paso, Tex., are the architects.

STORES AND OFFICES

Ready for Figures Shortly.

SALESROOM Cost, \$80,000
SAN FRANCISCO. S Market 100 E 11th St., Lot 68-9x137-6.

Two-story and basement reinforced concrete automobile truck salesroom building.

Owner—Withheld.
 Architects—Rousseau & Rousseau, 110 Sutter St., San Francisco.

Contract Awarded.
BAKERY Cost, \$—
SAN FRANCISCO. Fell and Gough Streets.

One-story concrete store (bakery).

Owner—A. Komthoef.
 Architect—Walter C. Falch, Hearst Bldg., San Francisco.

Concrete work awarded to P. Hurley 180 Jessie St., San Francisco.
 Carpentry, etc., to Frank Crothers, 1426 10th Ave., San Francisco.

Plans to be Prepared.
BUSINESS BLOCK Cost, bet. \$60,000 and \$80,000.

FRESNO, Fresno Co., Cal. NE Ventura and Van Ness Avenue.

Fireproof business block, 125x150.
 Owner—M. M. Shoshan, 459 "J" St., Fresno.
 Architect—Not Yet Selected.

Completing Sketches. Working Drawings to be Started Shortly.

OFFICE BLDG. Cost, \$—
SAN FRANCISCO. NE Post and Powell Streets.

Nine or ten-story Class "A" office building.
 Owner—Wm. M. Fitzhugh, Mills Bldg., San Francisco.

Architects—Reid Bros. and Bakewell & Brown, Associated, 105 Montgomery St., San Francisco.

Plans to be Started Shortly.
STORE AND LOFT BLDG. Cost, \$—
SAN FRANCISCO. N Post St., bet. Stockton and Powell Sts., Adj. to Plaza Hotel.

Three or four-story Class "C" store and loft building.
 Owner—Wm. M. Fitzhugh, Mills Bldg., San Francisco.

Architects—Reid Bros., 105 Montgomery St., San Francisco.

Plans Being Prepared.
STORES Cost, \$15,000 approximately.

BURLINGAME, San Mateo Co., Cal. Gore Corner of San Mateo Drive, West Lane and Burlingame Square.

One-story concrete and brick stores, 50x100, (5 stores).
 Owner—H. W. Regan, 136 Occidental St., Burlingame, Cal.

Architect—Not Given.
 Contractor—Lange & Bergstrom, Sharon Bldg., San Francisco.

Plans Being Figured.
ALTERATIONS Cost, \$5,000
SAN FRANCISCO. No. 2346 Mission Street.

Alterations to store (fixtures, store front, etc.).

Owner—O'Reilly Cloak & Suit House.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.

Plans Being Prepared.
STORE & OFFICE BLDG. Cost, \$ —
BAY POINT, Contra Costa Co., Cal.
Two-story store and office building.
Owner—Turner Bros.
Architect—A. W. Vornellius, Merchants National Bk Bldg., San Francisco.

Ready for Figures End of This Week.
ALTERATIONS Cost, \$3,500
SAN FRANCISCO. NO. 16 Mason St.
Alterations to store (new front, fixtures, etc.)
Owner—Withheld.
Architect—Norman R. Coulter, 46 Kearny St., San Francisco.

Plans Being Figured.
ALTERATIONS Cost, \$ —
SAN FRANCISCO. Nos. 37-39 Stockton Street.
Alter three-story store building (install new glass front, store fixtures, etc.)
Owner—California Credit Clothing Co., Premises.
Architect—Bernard J. Joseph, New Call Bldg., San Francisco.

Plans to be Prepared.
STORES Cost, \$ —
LODI, San Joaquin Co., Cal. South School Street.
One-story brick store building, 35x140
Owners—Composed of Geo. L. Melsner, Dr. D. H. Clouse, Wilson H. Thompson and W. H. Lorenz, all of Lodi.
Architect—Not Yet Selected.

Plans to be Prepared.
STORE AND LOFT BLDG.
Cost, \$ —
SAN FRANCISCO. S Market Street bet. Second and New Montgomery.
Two or three-story brick store and loft building.
Owner—John C. Brickell, Lick Bldg., San Francisco.
This property was just purchased last week. Architect J. R. Miller, Lick Bldg., will probably prepare the plans

Plans Being Prepared.
AUTO SALES BLDG. Cost, \$ —
SAN FRANCISCO. NW Clay and Van Ness Avenue.

Two-story and basement fireproof auto sales building (type of construction not decided).
Owner—Louis R. Lurie.
Architect—Sam Lightner Hyman, Crocker Bldg., San Francisco.
Plans will be completed in about a month.

Figures Being Taken for Electric Work and Plumbing.
STORE Cost, \$15,000
SAN FRANCISCO. SE Meacham Place and Post Street.
One-story concrete store, 36x34.
Owner—Arthur F. Rousseau, 110 Sutter St., San Francisco.
Architects—Rousseau & Rousseau, 110 Sutter St., San Francisco.
Sub-figures on the balance of the work will be taken later.

Plans Being Prepared.
ALTERATIONS Cost, \$ —
SAN FRANCISCO. No. 314 Sutter St.

Alter six-story and basement fireproof building for furniture store.
Owner—J. R. K. Nutall.

Lessee—Bare Bros. Furniture Co., 255 Geary St., San Francisco.
Architects—Ward & Blohme, Alaska Commercial Bldg., San Francisco.

Construction to Start Shortly.
AUTO SALES ROOMS Cost, \$100,000
SAN FRANCISCO. NW Jackson and Van Ness Avenue.
Two-story reinforced concrete auto sales rooms, 80x138.
Owner—A. Haas, Sacramento & Davis Sts., San Francisco.
Architect & Contractor—MacDonald & Kahn, Rialto Bldg., San Francisco.

THEATRES

Ready For Figures Next Week.
THEATRE Cost, \$ —
SAN FRANCISCO. No. 3350 Mission St., near 29th (Lyceum Theatre).
One-story Class "A" motion picture theatre.
Owner—Withheld.
Architects—Reid Bros., 105 Montgomery St., San Francisco.

Plans Complete. Ready for Figures in a Few Days.
THEATRE Cost, \$100,000
MODESTO, Stanislaus Co., Cal.
One-story and balcony Class "A" theatre (1800 seating capacity).
Owner—San Francisco Men.
Architects—Reid Bros., 105 Montgomery St., San Francisco.

ENGINEERING

BRIDGES, DAMS & HARBOR WORK

HANFORD, Kings Co., Cal.—The Directors of the Last Chance Water Co. have awarded a contract to Fredrickson & Shannon, Cory Bldg., Fresno, for the construction of the cement weir at the head of the canal on Kings River, 5 miles northwest of Hanford. The structure will be about 150 feet in length with 40 foot wings and will cost \$29,000.

MARTINEZ, Contra Costa Co., Cal.—The offer of the Reinforcing Roofing Co. at \$500 to place a coat of asphaltum on the bottom and sidewalls of the city reservoir to make same waterproof has been taken under advisement by the Trustees.

The offer of an Oakland concern which has a different process to make the tank waterproof has also been taken under advisement.

PASCO, Wash.—J. R. Wood, Central Bldg., Seattle, Wash., has been awarded the contract for the construction of one of the largest steel bridges in the Northwest on his bid of \$207,000.

The bridge will be 1556 feet long in six parts as follows. One cantilever, 301 ft., two 259 ft. anchor arm spans, two 260 ft. spans and one 217 ft. span. The bridge will span the Snake River at Pasco and will be paid for by both Franklin and Walla Walla counties.

Pacific PIPE

SAVES YOU MONEY

New and re-nerved screw casing and standard pipe for every requirement; tested and guaranteed for 150 pounds working pressure; dipped in hot asphaltum to prevent corrosion. Extensively used by orchardists and farmers, water-works, mines, etc.

Pacific Screw Casing is seamless steel pipe, light weight, fine thread. Saves you from one-half to two-thirds in cost; freight is half as much as on standard pipe.

Fittings and valves for every purpose; special fittings made to order. Tell us today what your requirements are; let us save you money.

PACIFIC PIPE CO.,

231 Howard St. San Francisco

ANAHEIM, Orange Co., Cal.—A meeting has been called by Francis Cuttle of Riverside, chairman of the tri-county reforestation committee, to be held at Anaheim on October 9, to consider the advisability of forming a comprehensive flood control and conservation district covering the entire water shed of the Santa Ana river and its tributaries. By regulating the flow of the river certain water supply for lands now irrigated and 40,000 additional acres may be obtained, according to the report of Engineers Olmsted, Sonderegger & Barnard, made to the reforestation committee.

NAPA, Napa Co., Cal.—Following bids were received by the Supervisors for the construction of the reinforced concrete Milliken bridge:

F. Gaggero, Napa, \$3382.50.
C. H. Gildersleeve, San Francisco, \$3340.

The contract was awarded to F. Gaggero at \$3,382.50.

NAPA, Napa Co., Cal.—The County Clerk will receive bids up to October 15th, 10 A. M., for the construction of three culverts, one in American Canyon, near the Denis ranch, one on Lincoln avenue, about half a mile west of the city limits, and one on Central avenue, near the Rupert ranch.

LOS ANGELES, Cal.—The contract for the construction of silt diversion works near Los Angeles, bids for which were opened at the U. S. Engineer Office, Los Angeles, August 13, has been awarded to United Dredging Co., Los Angeles, at \$806,750.

CORPUS CHRISTI, Tex.—A bill for the loan of five million dollars to the City of Corpus Christi for the building of a sea wall that will encircle the bay front and pass into Nueces

Bay will be introduced in Congress by Carlos Bee, representative from this district, according to an announcement by Bee to the business men of the city here.

EUREKA, Humboldt Co., Cal.—No bids were submitted to the County Supervisors for the construction of a bridge at Thorn and for making a fill at the Port Kenyon bridge. It is probable that another call for bids will be issued. Fred M. Kay is County Clerk.

PORTLAND, Ore.—The Oregon State Highway Commission will shortly call bids for the construction of a double leaf trunnion bascule bridge across Youngs Bay, at Astoria, Clatsop County, Oregon.

Bids will be received on three alternate projects, as follows:

Project No. 1—Bascule bridge, for combined railway and highway traffic, including about 1580 lineal feet of timber trestle approach span for the highway project.

Projects No. 2—Bascule bridge, for highway traffic only, including approximately 1580 feet of timber trestle approach span.

Project No. 3—Bascule bridge, for highway traffic only, including approximately 360 feet of permanent approach (steel plate girders with concrete floor and foundations) and 1220 lineal feet of timber trestle approach.

For each project, tenders will be received on the basis of: (1) Substructure only; (2) superstructure only; (3) entire project.

SAN FRANCISCO.—The State Railroad Commission has ruled that the Nevada County Narrow Gauge Railroad must pay half the cost of the construction of a crossing over the track and the portal of its tunnel at Town Talk Summit in Nevada County.

The State will probably bear the balance of the cost.

MANHATTAN BEACH, Los Angeles Co., Cal.—The city will construct an overhead crossing at the Santa Fe Railway tracks on Laurel avenue. The bridge will be about 125 feet in length, timber construction. About 300 feet on E Railroad Drive will also be paved with concrete and curbs will be constructed. Bids will be taken on this work in two or three months. Victor H. Stahel, City Engineer.

SAN FRANCISCO.—The State Board of Harbor Commissioners has awarded a contract to J. P. Holland, 540 Brannan street, for filling at Islais street for 50c per yard. The award was made on recommendation of Chief Engineer Frank G. White.

NAPA, Napa Co., Cal.—The Supervisors have awarded a contract to Frank Gaggara, Pine and Jefferson streets, Napa, for the construction of the reinforced concrete bridge near Walnut Creek, he being the only bidder at \$2.235.

OAKLAND, Cal.—The Pacific Pipe & Tank Co., 318 Market St., San Francisco, plans the expenditure of \$500,000 or more on its holdings in Oakland near the High street bridge, according to G. F. McArthur, Secretary, who states that plans for the work are now being completed in the engineering de-

partment of the company. The work will consist of new docks, wharves, warehouses, etc.

Construction will not be started until the completion of plans which will be about the first of the year.

IRRIGATION WORK

MARTINEZ, Contra Costa Co., Cal.—The Board of Supervisors adopted a resolution declaring the proposed Byron-Bethany irrigation district to be a necessity. The district is an enlargement of the present Byron-Bethany district and is being formed under the Wright act. It will include the town of Byron and many thousands of acres in that locality.

PIMA, Ariz.—Olmsted & Gillelen, Hollingsworth Bldg., Los Angeles, have been retained by the town of Pima to design and superintend the construction of river improvement works on the Gila river.

Engineer Drury Butler has been directed to report on the petition of property owners asking the construction of an approach to the bridge across the Cosumnes river leading to the highway.

SAN JOSE, Santa Clara Co., Cal.—Bids will be received by County Clerk Henry A. Pfister up to October 20th, 11 A. M., for the construction of a reinforced concrete bridge on Pierce road, over Calabases Creek, in Supervisor District No. 5.

OAKDALE, Stanislaus Co., Cal.—The directors of the Oakdale and South Joaquin Irrigation districts have jointly agreed to improve the irrigating system by reconcreting the tunnels and canals. Chief Engineer R. W. Olmstead of the South Joaquin district recommends that \$25,000 be expended on the work each year for three years.

PORTERVILLE, Tulare Co., Cal.—P. A. Morrison, President of the Pleasant Valley Ditch Co., is promoting a proposition to construct a dam at the mouth of the valley to impound waters of the upper Tule river for irrigation. The project would cost about \$4,000,000, including the purchase of 650 acres of orchards for a reservoir.

BOWIE, Ariz.—San Simon valley, Cochise Co., Ariz., is contemplating a 200,000 acre storm water irrigation district. Olmsted & Gillelen, Hollingsworth Bldg., Los Angeles, Consulting Engineers.

YUBA CITY, Sutter Co., Cal.—Land owners in the Harkey Corners section are planning an irrigation district comprising 20,000 acres. Signatures have been secured and the formation of the district is assured. Water for the land will be furnished by the Sutter-Butte Canal Company. The construction of ditches, laterals, etc., will be discussed at a meeting to be held later this month.

RIVERSIDE, Cal.—Preliminary organization of the Moreno Mutual Irrigation Co., which will purchase the property of the El Casco Land & Water Co. and supply water for the

Moreno valley, has been effected with P. T. Carter, Dan Hayward, J. M. Nelson, M. Towner and Will James as directors. The company will be capitalized at \$300,000. Geo. A. Sarau of Riverside, is attorney for the company.

LIGHTING SYSTEMS

TO CONSTRUCT POWER LINE.
CHICO, Butte Co., Cal.—J. W. North-edge of Chico has been granted a franchise by the State Railroad Commission to furnish electricity to the town of Richvale. Construction of a power line costing \$3,000 will be started immediately.

ELECTROLIER SYSTEM PLANNED.
RICHMOND, Contra Costa Co., Cal.—The City Council will meet on October 8th with the Chamber of Commerce and the Merchants Association to discuss the proposition of installing an electrolier system in Washington. Park and Macdonald avenues.

MACHINERY

MERCED, Merced Co., Cal.—The Supervisors have authorized the purchase of a five-ton auto truck (Pierce-Arrow) for use in Supervisor Road District No. 3. The sum of \$6,400 was allowed for the purchase. P. J. Thornton is County Clerk.

TO PURCHASE DRILLING MACHINE.

TURLOCK, Stanislaus Co., Cal.—Water Superintendent Brown has been instructed by the City Trustees to purchase a drilling machine for the use of the city water department.

AUTO TRUCK BIDS WANTED.

QUINCY, Plumas Co., Cal.—The County Supervisors have ordered bids received for furnishing and delivering three one-ton auto trucks for use in the construction of roads. Further information may be had from the County Clerk at Quincy.

PURCHASE.

SANTA ROSA, Sonoma Co., Cal.—The Supervisors have directed the County Clerk to call for bids for the sale of the Garford Truck owned by the County and which does not comply with the motor vehicle laws.

SEWERS, STREET WORK, ROADS AND WATER SYSTEMS

RICHMOND, Contra Costa Co., Cal.—The bids of J. E. Staniger and G. W. Cushing for the improvement of 47th street between Potrero avenue and Cutting Boulevard have been taken under advisement by the City Council.

PORTLAND, Ore.—The following low bids were received by the State Highway Commission:

Maiheir County.
Nine Miles Gravel Surfacing.
Porter & Conley.....\$69,277.25
Deschutes County.
23.9 Miles Grading.
E. F. Logan, Bend (a) \$87,536; (b) \$87,290.48.
A—Concrete pipe; B—Iron pipe.

BENICIA, Solano Co., Cal.—The City Trustees have awarded a contract to T. E. Clinch, 668 8th St., Richmond, for the construction of a sewer system in East Side Sewer District No. 1, with 6 inch vitrified salt-glazed sewer pipe; 5 manholes; 9 inspection holes; 1 flush tank; 70 "Y" branches and other appurtenances.

The bid follows:

For six inch vitrified sewer pipe, per lineal feet.....	\$ 1.90
For 6x4 Y Branches, each extra	1.50
For Manholes, complete.....	100.00
For Manhole with Flusher and connected to water mains in Sixth Street	175.00
For Inspection holes complete	10.00
For earth fill, per cubic yard.....	2.00

CARSON CITY, Nevada.—The State Highway Commission, C. C. Cottrell, State Highway Engineer, has awarded a contract to Armstrong & Baker, Elko, Nevada, at \$45,713.26 for the construction of the State Highway from Leeteville to Fallon in Churchill County, 7.57 miles. The estimate of the engineer was \$48,325. Other bids were:

C. G. Sellman Constr. Co., Reno, Nevada, \$48,126.90.
H. Francisco, Laws, Calif., \$61,890.10.
Geo. S. Benson & Sons, Los Angeles, Calif., \$68,983.70.

RICHMOND, Contra Costa Co., Cal.—The City Engineer has been instructed to prepare plans for laying out a playground at Fifth and Ohio streets. The work will consist of grading, paving, etc. A. C. Paris is City Clerk.

OAKLAND, Cal.—The City Council, L. W. Cummings, City Clerk, has passed a resolution of intention providing for the improvement of Viola street from Penniman to Allendale avenue by grading, curbing and guttering with concrete and paved with an oil macadam pavement also for the construction of a concrete culvert.

FRESNO, Fresno Co., Cal.—Bids will be received by City Clerk Chas. Dillon up to 8 P. M., October 27th, for the construction of Sanitary Sewers in Municipal Improvement District No. 1 of the City of Fresno.

MODESTO, Stanislaus Co., Cal.—The City Council has received petitions asking the paving of 14th street between H and I streets, on 14th street between L and Needham, on 11th between L and Needham and on Needham from 9th to 17th.

The Council has adopted plans and specifications and passed a resolution of intention providing for the paving of H street from Second street to the city limits. Fifteenth street from H to E street from Fifteenth to Burney, and Spencer street from Burney 490 feet easterly. All will be paved full width, with the exception of E street from Jefferson to the city limits.

A petition asking the construction of sewers in Sunset Boulevard was received and laid over for further consideration.

VALLEJO, Solano Co., Cal.—Engineer T. D. Kilkenny has completed plans, specifications and estimates of

cost for the improvement of Lozier Alley between Carolina and Florida street. The estimated cost of the improvement is \$2.24 per foot or \$112 per 50-ft. lot.

VALLEJO, Solano Co., Cal.—The City Council has adopted plans and specifications for the improvement of Highborn street from Sacramento street to Wilson avenue.

WOODLAND, Yolo Co., Cal.—The supervisors have appointed Asa G. Proctor County Engineer of Yolo County.

As county engineer, Proctor will have supervision of the construction of 75.45 miles of permanent county highway in Yolo county and for which the voters recently agreed to bond the county for \$1,000,000.

TRACY, San Joaquin Co. Cal.—W. J. Schmidt, Cedar and Sacramento Sts., Berkeley, has been awarded a contract by the City Trustees for the pavement of several streets in this city. The work will cost about \$15,000. The only other bidder was J. E. Johnson.

OAKLAND, Cal.—The City Council, L. W. Cummings, City Clerk, has passed resolution of intention (No. 19037 N. S.) providing for the improvement of Oak street between 2nd and 7th streets by grading; construction of brick gutters and concrete curbs and paved with an asphalt pavement; construction of 4 brick catchbasins with cast iron tops; 1 brick manhole and vitrified pipe conduits 10 inches in diameter.

Resolution No. 19039 N. S. provides for the improvement of Blossom St. from Fruitvale avenue westerly by grading; construction of concrete curbs and gutters; cement concrete sidewalks and paving with an oil macadam pavement and installation of 2 vitrified pipe conduits 10 inches in diameter.

LODI, San Joaquin Co., Cal.—The City Trustees, H. S. Clark, City Clerk, has passed a resolution of intention (No. 26) providing for the improvement of South School Street from the south line of Walnut to the north line of Lodi avenue and from the south line of Lodi avenue to the city limits on the south by grading, paving with a 1½ inch Warrenite wearing surface laid on an asphaltic concrete base 3 inches thick and the construction of hydraulic concrete curbs and gutters.

NAPA, Napa Co., Cal.—The City Council, H. H. Thompson, City Clerk, has passed a resolution of intention providing for the improvement of Caymus street from the east line of Main street to the west line of the S. P. railway and Napa street, from the east line of Brown to the west line of Main street by grading, construction of cement concrete curbs and paving with an asphalt macadama (2 course) pavement forty feet wide.

TOPPENISH, Wash.—The City Council has awarded a contract to The Standard Asphalt Company for the improvement of several streets on its bid of \$84,338.65.

SACRAMENTO, Cal.—City Engineer Frank C. Miller has completed esti-

mates of cost of making repairs at Front street where the fill along the wharf near M street has washed away. The pavement and the railroad tracks have been left in a dangerous condition by the land slide, and immediate repairs are necessary, according to Miller's report.

STOCKTON, San Joaquin Co., Cal.—At the last meeting of the City Council plans and specifications for covering the concrete pavement on the waterfront near the Sperry mills at Lincoln street with an asphalt top were adopted.

The Council has also adopted plans and specifications providing for the following sidewalk improvements:

101 feet on the south side of Flora street east of Edison; on the north side of Lafayette, 101 feet east from Monroe; on the west side of Hunter street, 101 feet south from Jefferson; on the south side of Jackson, 42 feet west from Hunter; on the south side of Jackson, 110 feet east from Grant; west side of Hunter, 202 feet south from Taylor; the west side of Stockton street, 50 feet north from Flora; west side of American street, 50 feet north from Clay, and the west side of Stockton street, 101 feet north from Flora.

SEATTLE, Wash.—The King County Commissioners are considering the surfacing of the road from 32nd avenue, on the hill above the lake ferry landings near Leschi Park, to the lake shore with a brick pavement. The work is estimated to cost about \$72,000.

SPOKANE, Wash.—Burns, Jordan & Welch, of Spokane and Seattle, have been awarded the contract for the construction of 30 miles of railroad from Granger, 50 miles north of Calgary, into the Drumheller coal mines.

YUBA CITY, Cal.—Members of the Board of Supervisors of the Sutter County Farm Bureau and County Engineer Edward Von Geldern have returned from a trip through the Sacramento and San Joaquin Valleys, where they inspected road types.

Upon their return announcement was forthcoming that the delegation had decided that an oil macadam type of road would be constructed in Sutter County, when the \$810,000 recently voted in a good roads bond issue is spent.

The Supervisors will act in the matter at a meeting called for October 6th.

BERKELEY, Alameda Co., Cal.—The City Council has directed the City Engineer to prepare proceedings for the extension of Colusa avenue through to Hopkins street.

BENICIA, Solano Co., Cal.—The City Trustees have decided to extend the sewer along Eleventh street from its present terminus to the property owned by Lewis Parker, a distance of about 200 feet.

SACRAMENTO, Cal.—Plans for the improvement of K street between Twenty-first and Twenty-eighth Sts. are being completed by City Engineer Frank Miller and bids for the work will be called for the latter part of October.

BERKELEY, Alameda Co., Cal.—The City Council has awarded a contract to the Oakland Paving Co., 5090 Broadway, Oakland, for the improvement of McGehee avenue from the north line of Jaynes street to the north line of Northlands Tract and the east one-half of McGehee avenue from the south line of Vine street, northerly to a point 253 feet by grading, construction of redwood curbs and concrete gutters, macadamizing and surfacing same with oil and rock screenings. A. G. Briggs is City Clerk.

NAPA, Napa Co., Cal.—Two bids were received by the City Council for furnishing and delivering 1 c. b. Napa, one carload of asphalt for use on the city streets:

The Standard Oil Co. offered to furnish a carload of 40 tons, at \$12.75 a ton f. o. b. in Richmond. A representative of the company explained that they would not furnish the carload f. o. b. in Napa because they would have to absorb the freight rate and the tax rate by so doing.

The Union Oil Co. offered to land the carload f. o. b. in Napa for \$14.05 per ton. Contract was awarded to the Union Oil Company.

PHOENIX, Ariz.—Until 10 A. M., Oct. 22, bids will be received by the City Clerk for constructing a reinforced concrete conduit, 1300 feet long and 7 feet diameter, involving 5350 cu. yds. excavation, 1900 cu. yds. borrow and haul, 800 cu. yds. concrete and 90,000 lbs. reinforcing steel. The bottom of the conduit will be about 13 ft. below ground. Plans and specification may be obtained from the City Engineer on deposit for \$10. L. B. Hitchcock, Superintendent of Streets.

RIVERSIDE, Riverside Co., Cal.—County Surveyor Fulmer has been instructed by the Supervisors to prepare plans and specifications for paving the Corona end of the Corona-Elsinore highway for which \$25,000 will be available. Bids will be taken on both concrete and oil macadam pavement. Plans will also be made for improvements on the road from Elsinore to Wildomar. Supervisor Smith was authorized to proceed with the improvement of State street south of Hemet and also to start work on San Jacinto avenue and Seventh street.

SAN FRANCISCO.—The installation of a fire protection system in the Presidio is planned in the immediate future, according to E. A. Day, United States Senior Coast Engineer, who has been investigating the present system. It is estimated that \$200,000 will be expended which will increase the present water supply to more than 2,000,000 gallons daily. The present plans provide for the installation of fifty-five fire alarm boxes to connect with the city system.

STOCKTON, San Joaquin Co., Cal.—Bids will be received by A. L. Banks, City Clerk, up to 10:30 A. M., October 14th, for covering concrete pavement of the Waterfront of Stockton channel along north side of Block V, West of Center Street, with bitulithic wearing surface. Plans may be had from the City Clerk.

EUREKA, Humboldt Co., Cal.—City Engineer Hannah has completed plans and bids will be called shortly for the grading of Del Norte street from C to D streets and on A street from Hawthorne to Long streets.

Plans have also been completed for the construction of about 400 feet of concrete sidewalk for Highway avenue east of Myrtle street.

SACRAMENTO, Cal.—Only two bids were received by the State Highway Commission Sept. 29th for Highway bridges.

Humboldt County, between Garberville and Miranda (I-Hum-1-B), reinforced concrete bridges at Station 94 and Dean Creek.

Engelhard Paving & Constr. Co., Eureka, \$21,742.
Tadgett & Kelly, Eureka, \$23,583.
Engineer's estimate, \$11,172.25.

SAN LEANDRO, Alameda Co., Cal.—The City Trustees have passed a resolution of intention providing for the construction of a sewer in Peralta avenue. J. J. Gill is City Clerk.

OLYMPIA, Wash.—Following is a list of low bids received by the Washington State Highway Commission for highway improvements:

Olympic Highway (Clamma County), R. O. Wahlgren, Forks, Wash., \$20,932.
National Park Highway improvement in Pierce County: Torger Peterson, Eatonville, \$147,207.

Pacific Highway in King County (new Bothell Road), J. T. Smith, \$121,291.

Inland Empire Highway (Ellensburg to Roza), Rajotte, Robert & Winter, Spokane, \$198,533.

TACOMA, Wash.—The Pierce County Commissioners have approved working drawings for the construction of roads planned under the \$2,500,000 bond issue which will be held on October 10th.

TULARE, Tulare Co., Cal.—The City Board of Trustees has selected Rodney Berryhill as City Engineer and Superintendent of streets. He will succeed A. P. Bosworth.

SACRAMENTO, Cal.—The City Commissioners, M. J. Desmond, City Clerk, has awarded a contract to the Clark & Henery Constr. Co., Ochsner Bldg., Sacramento, for the improvement of "U" street from the east line of 31st street to the west line of 34th street, by constructing concrete curbs and gutters; concrete sidewalks; 2 concrete manholes with cast iron curbs and covers; placing 4 cast iron gutter drains connecting same to 6 inch vitrified ironstone sewer pipe; constructing 495 lin. ft. of 8-inch vitrified ironstone sewer pipe; grading and laying a hydraulic concrete base 4 inches thick with a bitulithic wearing surface 1½ inches thick.

SAN FRANCISCO.—The Supervisors will shortly pass an ordinance authorizing the Board of Public Works to enter into contracts for razing and reconstructing the premises of the James Irvine property at Marshall avenue and City Hall avenue for the purpose of improving the Civic Center

and extending Hyde street into Market.

SACRAMENTO, Cal.—The following awards have been made by the Advisory Board of the California State Department of Engineering on September 25th, 1919:

To Geo. R. Curtis, 2440 E-26th St., Los Angeles, Calif.:

For the construction of a section of State highway in Ventura County, Division VII-Route 2, Section C, (between Russel Ranch and the former easterly boundary, about 1.3 miles in length). \$25,600.

To W. A. Dontanville, of Salinas, Calif.:

For the construction of a section of State highway in San Joaquin County, Division III Route 4, Section D (between Houston School and Northerly Boundary, about 4.7 miles in length). \$56,850.50.

To Fred Hoffman, 111 E-12th St., Long Beach, Calif.:

For the construction of a section of State highway in Los Angeles County, Division VII, Route 23, Section E. (Between two miles north of Acton and Palmdale, about 8.6 miles in length). \$181,445.

SAN MATEO, San Mateo Co., Cal.—San Mateo has taken the first legal steps in calling an election to vote on issuing \$400,000 bonds for municipal water works. Olmsted & Gillette, Hollingsworth Bldg., Los Angeles, Consulting Engineers.

OAKLAND, Cal.—Bids will be received by Jay B. Nash, Secretary of the Playground Commission, Room 401 City Hall, up to October 10, 9 A. M., for furnishing and delivering various supplies and for surfacing tennis courts and building work shop.

SACRAMENTO, Cal.—Following is a list of the bids received by the City Commissioners, M. J. Desmond, City Clerk, for the paving of "X" street from Tenth to Twentieth:

Chico Constr. Co., McGillivray Construction Co. and Clark & Henery Construction Co., approximately \$40,000.

A. Teichert & Son, Ochsner Bldg., Sacramento, approximately, \$38,000.

SPOKANE, Wash.—H. J. Doolittle, a State Highway Engineer in charge of state and federal highway construction in eastern Washington, has been selected by the Board of County Commissioners as special construction engineer for permanent highways under the \$325,000 county bond issue. He will receive a salary of \$450 per month.

SANTA CRUZ, Santa Cruz Co., Cal.—The bid of Crocker, Blanchard & Howell, 58 Second street, San Francisco, submitted to the Santa Cruz City Council for the improvement of Seabright avenue at \$47,267.57 has been rejected and new bids have been ordered received up to October 14th.

BENICIA, Solano Co., Cal.—O'Brien Bros., Martinez, have been awarded a contract for grading and road work in the vicinity of the Benicia Arsenal by the U. S. Government. The work will cost in the neighborhood of \$20,000.

SAN FRANCISCO.—The Street Committee of the Board of Supervisors has recommended the immediate improvement of the following streets, the estimate cost of which is \$200,000.

Bay street between Columbus avenue and Embarcadero; Bryant between Third and Eighth; Brannan between Sixth and Tenth; Clara between Fourth and Sixth; Drumm from Clay to Sacramento; Eighth from Howard to Folsom; Fremont from Market to Mission; Jackson from Sansome to Battery; Minna from First to Third; Perry from Third to Fourth; Sheridan from Ninth to Tenth; Sixteenth from Folsom to Harrison.

The Board of Public Works has commenced proceedings for the improvement of the following streets:

Silver avenue from Vienna to Cambridge, with a sidewalk on the north side of Silver avenue, estimated cost, \$12,575; paving of Quesada avenue from Newhall to Railroad avenue, estimated cost, \$20,320.

SACRAMENTO, Cal.—Two bids were received by the City Commissioners for the improvement of 21st street from Y to Second avenue as follows:

Clark & Henery Constr. Co., Ochsner Bldg., Sacramento, approximately \$25,000.

McGillivray Constr. Co., Capitol National Bank Bldg., Sacramento, approximately \$20,000.

TEM AND PUMPING STATION.

NEWPORT BEACH, Orange Co., Cal.—Until 7:30 P. M., October 20, bids will be received by City Clerk Geo. P. Wilson for constructing a cement pipe sewer system, three reinforced concrete pumping stations with motors, pumps and appurtenances designated as pumping stations Nos. 1, 2 and 3 and a reinforced concrete septic tank and sludge beds in accordance with plans and specifications prepared by City Engineer Paul Kressley. The work will be done under the Vrooman act. No bids were received under the call for proposals to be submitted on September 29.

SANTA ROSA, Sonoma Co., Cal.—Bids have been ordered received by the County Supervisors up to October 15th for the construction of 8.9 miles of county highway between Petaluma and Valley Ford.

SAN FRANCISCO.—The following bids were received by the Board of Public Works for the improvement of Broadway avenue between Joost and Bosworth Streets:
Blanchard, Crocker & Howell, \$4,257.40
Pay Improvement Co., 4,093.12
La'sch Improvement Co., 3,734.11

RICHMOND, Contra Costa Co., Cal.—Bids will be received by City Clerk A. C. Faris up to 8 P. M., October 14th, for the improvement of portions of the southeast side of Santa Fe avenue by grading and paving with 4 inch cement concrete; construction of cement concrete curbs and gutters and redwood liners; 375 feet of 4 inch lateral sewers with Y branches and side sewer connections of standard, salt glazed, vitrified sewer pipe, lamp-holes, etc.

HANFORD, Kings Co., Cal.—Bids will be received by J. A. Crawshaw, Clerk of the Board of Trustees of the Hanford School District up to October 15th, 2 P. M., at Rooms 2 and 3, Bissell Block, Hanford, for the construction of a cement sidewalk 6 feet wide, along the east side of Lots 1, 2, 3 and 4, Block "D" of Noel's Addition.

RICHMOND, Contra Costa Co., Cal.—The City Council has passed resolution No. 365 providing for the changing and establishments of certain curb grades on Wall avenue. A. C. Faris is City Clerk.

SACRAMENTO, Cal.—The City Commissioners, M. J. Desmond, City Clerk, have awarded a contract to the Clark & Henery Construction Co., Ochsner Bldg., Sacramento, for the improvement of Twenty-first street from the north line of Y street to Freepport Boulevard by constructing concrete curbs, gutters and sidewalks, 6 feet wide and 3½ inches thick; construction of 1 concrete manhole with cast iron curb and cover; placing 9 cast iron gutter drains and connection of same to an 8 inch vitrified ironstone pipe sewer, grading and paving with a hydraulic concrete foundation 4 in. thick and a bitulithic wearing surface 1½ inches thick.

SAN BERNARDINO, Cal.—H. H. Lineau, of Redlands, was awarded the contract at about \$15,500 for paving Mt. Vernon avenue in the city of San Bernardino, between Fifth street and North City limits, involving 117,700 sq. ft. 4-inch concrete pavement at 7c sq. ft.; county to furnish sand, rock and cement. Others bids were: R. T. Shea Co., 74½ c sq. ft.; W. D. Bohan, 72c sq. ft. Edgar T. Ham, County Surveyor.

UPLANDS, San Bernardino Co., Cal.—W. C. Cline of Upland, was awarded the contract by the County Supervisors at about \$10,500 for paving Nineteenth street, in the city of Upland, involving 2151 cu. yds earth excavation at 75c cu yd., 50 cu yds. apron walls at 30c cu ft., 75,160 sq. ft. 3-in. concrete pavement at 8c sq. ft.; county to furnish cement. No other bids received.

RAILROADS

SAN FRANCISCO.—City Engineer M. M. O'Shaughnessy is completing plans for the construction of a loop for the Municipal Railway system at the Presidio. The loop is being constructed at the request of the military authorities.

EXPORTERS TO CHINA WARNED OF NEW ORDER.

WASHINGTON, D. C.—After October 30, the Chinese Maritime Customs will not pass a cargo unless it is accompanied by invoices and other documents. The American Chamber of Commerce in China has asked that this information be given exporters, who are urged to mail invoices so that they may arrive with the cargo, and avoid criticism of the American trade methods at this time.

BUILDING CONTRACTS.

Sacramento County.

DWELLINGS

No. 1900 THIRTY-FIFTH ST.; No. 3348 "S" St.; No. 3400, 3416, 3440 and 2001 "7th" St., Sacramento. Six one-story 5-room frame dwellings.

Owner—C. H. Chatterton, 2118 28th St., Sacramento.

Architect—None.

Day's work. COST, \$4000 each

ALTERATIONS

No. 1028 "K" St., Sacramento. Glass office partitions.

Owner—B. Frommer, 1030 "K" St., Sacramento.

Architect—None.

Contractor—Chas. Vanina, 2022 "M" St., Sacramento.

COST, \$2200

ADDITION

No. 2101 STOCKTON BLVD., Sacramento. Add one room and bath to residence.

Owner—M. Williamson, Premises.

Architect—None.

Contractor—C. J. Hopkinson, 1318 25th St., Sacramento.

COST, \$1100

ADDITION

S ½ LOTS 7 AND 8, Q. R, 14th and 15th Sts., Sacramento. One and two story addition to baking plant.

Owner—Perfection Bread Co., 1731 14th Sts., Sacramento.

Architect—C. C. Cuff, Ochsner Bldg., Sacramento.

Contractor—Geo. L. Herndon, 914 "T" St., Sacramento, and Henry Finnigan, 1714 16th St., Sacramento.

Filed Sept. 25, '19. Dated Sept. —

TOTAL COST, \$26,858

RESIDENCES

NOS. 616 AND 620 THIRTIETH ST., Sacramento. Two two-story seven-room frame residences.

Owner—J. M. Inman, 700 30th St., Sacramento.

Architect—None.

Contractor—E. A. Carum, 2533 Portola St., Sacramento.

COST, \$4000 each

RESIDENCE

No. 2108 TWENTY-FIRST ST., Sacramento. Frame residence.

Owner—H. R. Brown, 822 27th St., Sacramento.

Architect—None.

Contractor—E. A. Corum, 2533 Portola St., Sacramento.

COST, \$6500

DWELLING

No. 2528 FORTY-FIRST ST., Sacramento. One-story 5-room frame dwelling and garage.

Owner—C. S. Mibrey, 34 Pine St., Sacramento.

Architect—None.

Day's work. COST, \$3200

LIENS FILED.

Sacramento County.

Recorded	Amount
Sept. 30, 1919—No. 620 "K" St., Sacramento. Frank Dixon (as Frank Dixon Painting Co) vs Kate Turton et al	\$584.75

CONTRACTS AWARDED

Liens, Acceptances, Etc.

BUILDING CONTRACTS.

San Francisco County

The following is an index for the contracts for this issue:

097	Allred	Allred	9000
098	Quigley	Quigley	4000
099	McKee	Coggins	2000
100	Hartford	Hartford	400
101	Henry	Burns	450
102	Faulkner	Durham	985
103	Battaglia	Costello	2800
104	Same	Frank	1075
105	Holbrook	Maundrell	1190
106	Nelson	Nelson	7500
107	Nelson	Nelson	7500
108	Nelson	Nelson	6500
109	Leonard	Leonard	6500
110	Knapp	Petersen	1800
111	Jaggard	Haggard	1600
112	Eva	Wilhelm	850
113	Freedman	Pink	450
114	Gallenkamps	Pink	500
115	Price	Duncan	500
116	Com Center Rlty	Moller	650
117	Stocks	Moore	570
118	Pollisen	Collingwood	450
119	Mazeris	Bourdieu	965
120	Franzoi	Trevia	46700
121	Pac G&E	Steel T&P Co	1370
122	Sococo	Simmen	8000
123	Merchants Ice	Larsen	5000
124	Spingola	MacRae	4000
125	Friend	Friend	500
126	Palmer	Todhunter	400
127	Archer	Archer	900
128	Wo Jen	Wo Jen	600
129	Pepin	Arnott	2768
130	Chiapellone	Warden	7137
131	Crocker	Samuelson	5900
132	Buchler	Otten	490
133	Art	Ast	950
134	Wise	Gilley	650
135	De Neif	DeNeif	400
136	Harris	Eibel	400
137	Goldberg	Eureka	1850
138	Mission Ter	Lewis	9450
139	Giacobbi	Lechner	20000
140	Morris	Wolfender	5500
141	Papaniopoulos	Partidos	450
142	Moeller	Leigh	4000
143	Heultler	Leigh	4000
144	Wiedrich	Mudrick	500
145	Ferran	Salanave	725
146	Freund	Sockolov	450
147	Plechot	Plechot	400
148	Urban	Duncan	9000
149	Hohneman	Hohneman	1600
150	Klahn	Klahn	2500
151	Ryan	Ryan	1500
152	Anderson	Anderson	2800
153	Crocker	Crocker	400
154	Knarston	Knarston	500
155	Fleishacker	Robinson	400
156	Owl Drug Co	Nagle	510
157	Eureka	Eureka	1000

DWELLINGS

(2087) N ANZA 75. 96-6, and 118 E 26th Ave. Three one-story and basement frame dwellings.
Owner—C. S. Allred, 150 Onondaga Ave., San Francisco.
Architect—None.
Day's work. COST, \$3000 each

DWELLING

(2098) E THIRTY-SIXTH AVE 275 N Geary. Two-story and basement frame dwelling.
Owner—J. T. Quigley, 628 Masonic Ave., San Francisco.
Architect—None.
Day's work. COST, \$4000

ALTERATIONS

(2099) NO 3455 VASHINGTON, General alterations to dwelling.
Owner—John McKee, Premises
Architect—None.

Contractor—L. M. Coggins, 115 Turk, San Francisco.

COST, \$2000

ADDITION

(2100) NO. 430 CALIFORNIA. Addition of lunch room.
Owner—Hartford Accident Indemnity Company.
Architect—Ward & Blohme, 454 California, San Francisco.
Day's work. COST, \$400

GARAGE

(2101) NO. 855 QUINTARA. One-story frame private garage.
Owner—W. P. Henry, 554 11th Ave., San Francisco.
Architect—None.
Contractor—John Bruns, 2281 Green, San Francisco.

COST, \$450

ALTERATIONS

(2102) NO. 558 SEVENTH AVE. Raise dwelling, etc., for basement garage.
Owner—Geo. Faulkner, Premises.
Architect—None.
Contractor—F. J. Durham, 1443 Fillmore, San Francisco.

COST, \$985

FRAME STORE BLDG.

(2103) NE CORTLAND AVE 56.08 SE Moultrie SE 23.04 N 63.03 N 28 S 67.39 m. or 1 Ptn Lots 230 and 281 Gift Map No. 1. All work except grading and concrete for one-story frame store building.

Owner—John and Grace Battaglia.
Architect—C. O. Clausen, Hearst Bldg., San Francisco.
Contractor—S. Costello.
Filed Sept. 29, '19. Dated Sept. 22, '19.
Frame up \$700
Brown coated 700
Completed and accepted 700
Usual 35 days 700

TOTAL COST, \$2800

Bond, none. Limit, 60 days. Forfeit, none. Plans and specifications filed.

(2104) CONCRETE WORK ON ABOVE
Contractor—Carl Frank, 305 Bocana, San Francisco.

Filed Sept. 29, '19. Dated Sept. 22, '19.
Grading finished \$400
Work completed 400
Usual 35 days 275
TOTAL COST, \$1075
Bond, none. Limit, 60 days. Forfeit, none. Plans and specifications filed.

PAINTING

(2105) NW VAN NESS AVE AND Washington W 123xN 71-84. All work for painting of residence and out buildings.
Owner—Chas. Holbrook.
Architect—Nathaniel Blaisdell, 255 California, San Francisco.
Contractor—H. Maundrell & Co., 180 Jessie, San Francisco.
Filed Sept. 29, '19. Dated Sept. 25, '19.
All surfaces primed \$442
Completed and accepted 450

Usual 35 days 298

TOTAL COST, \$1190

Bond, \$595. Surety, Royal Indemnity Co. Limit, 20 days. Forfeit, \$10. Specifications only filed.

BUNGALOW

(2106) LOT 2, BLK. 3132, Westwood Park. All work for a one-story frame bungalow.
Owner—Hans Nelson.

Architect—Chas. F. Strothoff, 2276 15th, San Francisco.

Contractor—Nelson Bros., 30 Northwood Drive, San Francisco.
Filed Sept. 29, '19. Dated Sept. 29, '19.
Frame up and enclosed \$1875
Brown coated 1875
Completed and accepted 1875
Usual 35 days 1875

TOTAL COST, \$7500

Bond, \$3500. Sureties, Chas. Monson and Edward T. Peterson. Forfeit, none. Limit, 90 days. Plans and specifications filed.

BUNGALOW

(2107) LOT 3, BLK. 3133, Westwood Park. All work for one-story frame bungalow.

Owner—Hans Nelson.
Architect—Chas. F. Strothoff, 2276 15th, San Francisco.

Contractor—Nelson Bros., 30 Northwood Drive, San Francisco.
Filed Sept. 29, '19. Dated Sept. 29, '19.
Frame up and enclosed \$1875
Brown coated 1875
Completed and accepted 1875
Usual 35 days 1875

TOTAL COST, \$7500

Bond, \$3500. Sureties, Chas. Monson and Edward T. Peterson. Forfeit, none. Limit, 90 days. Plans and specifications filed.

BUNGALOW

(2108) W PLYMOUTH AVE. 27.546 from NE cor. lot 15, blk. 3177, Westwood Park N 77 deg. 22 min. 52 sec., W 94.356, N 35.123, S 79 deg. 1 min. 36 sec. E 95.248, S 38.454. Ptn lots 14 and 15, Blk. 3177, Westwood Park. All work for a one-story frame bungalow.

Owner—Hans Nelson.
Architect—Chas. F. Strothoff, 2276 15th, San Francisco.

Contractor—Nelson Bros., 30 Northwood Drive, San Francisco.
Filed Sept. 29, '19. Dated Sept. 29, '19.
Enclosed \$1625
Brown coated 1625
Completed and accepted 1625
Usual 35 days 1625

TOTAL COST, \$6500

Bond, \$3250. Sureties, Chas. Monson and Edward T. Peterson. Forfeit, none. Limit, 90 days. Plans and specifications filed.

FRAME DWELLING

(2109) W VICTORIA 200 N Holloway. Two-story and basement frame dwelling.
Owner—Geo. L. Leonard Co., 666 Phelan Bldg., San Francisco.

Architect—Jos. A. Leonard, 666 Phelan Bldg., San Francisco.
Day's work. COST, \$6500

HEATING PLANT, ETC.

(2110) NO. 1250 VALLEJO. Install steam heating plant and build boiler room.
Owner—Mrs. M. Knapp and Miss M. Minger, Premises.
Architect—Faulkes & Hildebrand, Crocker Bldg., San Francisco.
Contractor—H. Petersen Co., 710 Larkin, San Francisco.
COST, \$1800

ALTERATIONS

(2111) NO. 126 ELLIS. Alter restaurant front, erect partitions; concrete floor; plumbing; painting, etc.
Owner—C. H. Haggard, Lessee, 627 Taylor, San Francisco.
Architect—None.
Day's work. COST, \$1000

ALTERATIONS

(2112) NO. 1251-53 MARKET. Alter store.
Owner—W. J. Eva, 406 Front, S. F.
Architect—W. H. Toepke, 942 Market, San Francisco.
Contractor—A. H. Wilhelm, 180 Jessie, San Francisco.
COST, \$850

ALTERATIONS

(2113) NO. 68 MARKET. Alter show windows.
Owner—A. S. Freedman, 53 Market, San Francisco.
Architect—None.
Contractor—Fink & Schindler Co., 226 13th, San Francisco.
COST, \$450

SHOW CASE

(2114) NO. 747 MARKET. Erect show case.
Owner—Gallenkamps Shoe Co., 702 Market, San Francisco.
Architect—None.
Contractor—Fink & Schindler Co., 218 13th, San Francisco.
COST, \$500

REPAIRS

(2115) NO. 1156 TURK. Repair roof.
Owner—Sam Price, Premises.
Architect—None.
Contractor—W. C. Duncan & Co., Shar-on Bldg., San Francisco.
COST, \$500

ALTERATIONS

(216) NO. 508 KERANY. Alter store front.
Owner—Commercial Center Realty Co., 916 Kearny, S. F.
Architect—None.
Contractor—R. W. Moller, 614 Call Bldg., San Francisco.
COST, \$650

RETAINING WALL

(2117) NO. 3010 CLAY. Retaining wall.
Owner—Mr. Stocks, 18th Ave. near California, San Francisco.
Architect—None.
Contractor—J. K. Moore, 218 19th Ave., San Francisco.
COST, \$570

(2118) NE COLLINGWOOD AND 18th Concrete work, etc., for store.
Owner—E. Pollixen, 91 Collingwood, San Francisco.

Architect—W. R. McCulloch, 3951 18th St., San Francisco.
Contractor—Collingwood - Hall, 4150 18th, San Francisco.
COST, \$450

ALTERATIONS

(2119) NO. 205 CHATTANOOGA. General alterations.
Owner—M. Mazeris, 3743 23rd St., San Francisco.
Architect—None.
Contractor—G. B. Bourdieu, 804 Potrero Ave., San Francisco.
COST, \$965

APARTMENTS

(2120) NW OCTAVIA AND BROADWAY N 100xW 37-6. All work except elevator machine and two dumb waiters for three-story and basement frame apartment building (6 apartments).
Owner—Charles Franzoi, Ross Valley, Calif.
Architect—G. A. Applegarth, Claus Spreckels Bldg., San Francisco.
Contractor—G. Trevia, 300 Bay St., San Francisco.
Filed Sept. 30, '19. Dated Aug. 14, '19.
On 1st of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, \$46,700
Bond, \$21,492.50. Sureties, Angelo V. Garassino and D. Trevia. Limit, 120 days after Sept. 25. Forfeit, none.
Plans and specifications filed.

BREECING

(2121) BLK BDED BY TWENTY-third, Georgia, Louisiana and Humboldt. Breecing for a B. & W. boiler at Station "A".
Owner—Pacific Gas & Electric Co., 445 Sutter St., San Francisco.
Architect—None.
Contractor—The Steel Tank & Pipe Co., 263 Market St., San Francisco.
Filed Sept. 30, '19. Dated Sept. 15, '19.
On completion..... 75%
Usual 35 days..... 25%
TOTAL COST, \$1370
Bond, \$700. Surety, Globe Indemnity Co. Limit, 21 days. Forfeit, none.
Plans and specifications filed.

ALTERATIONS

(2122) NOS. 10-16 MARKET. Alter for restaurant.
Owner—Rococo Cafe Inc., 10 Market, San Francisco.
Designer—John Simmen.
Contractor—John Simmen, 64 Rausch, San Francisco.
COST, \$8000

ENGINE ROOM

(2123) MONTGOMERY SANSOME, Lombard and Greenwich. One-story brick engine room.
Owner—Merchants Ice & Cold Storage Co., Lombard and Battery, S. F.
Architect—None.
Contractor—Larsen Bros., Lick Bldg., San Francisco.
COST, \$5000

FRAME FLATS

(2124) S GREENWICH 137-6 E Broderick. Two-story and basement frame (2) flats.
Owner—A. Spingola, 569 Filbert St., San Francisco.
Designer—A. S. MacRae, 655 Moraga, San Francisco.
Contractor—A. S. MacRae, 655 Moraga, San Francisco.
COST, \$4000

ALTERATIONS

(2125) NO. 1500 FIFTH AVE (South). Raise roof, etc., for slaughter house.
Owner—H. Friend.
Architect—None.
Day's work. COST, \$500

ALTERATIONS

(2126) NO. 1465 HAIGHT. Alter store front.
Owner—F. E. Palmer, Russ Bldg., San Francisco.
Architect—None.
Contractor—Geo. C. Todhunter, 1088 Ashbury, San Francisco.
COST, \$400

(2127) NO. 3960 MISSION. Extend store building.
Owner—G. E. Archer, Premises.
Architect—None.
Day's work. COST, \$300

ALTERATIONS

(2128) NO. 1035 GRANT AVE. Install ice box and alter for smoke house.
Owner—Wo Jen Co., Premises.
Architect—None.
Day's work. Cost, \$600

FRAME RESIDENCE

(2129) NE REVERE AVE 206-3 SE Lane SE 56-3xNE 100. Concrete walls, carpenter work, electric work, etc., for one-story and basement frame residence.
Owner—Mrs. P. Pepin, 1236 Mason St., San Francisco.
Architect—Erwin Reichel, 3243 23rd St., San Francisco.
Contractor—Jas. Arnott & Son, 2223 19th Ave., San Francisco.
Filed Oct. 1, '19. Dated Sept. 30, '19.
Frame up.....\$692
Brown coated..... 692
Completed and accepted..... 692
Usual 35 days..... 692
TOTAL COST, \$2768
Bond, none. Limit, 90 days after Oct. 20. Forfeit, none. Plans and specifications filed.

FLATS

(2130) S FILBERT 102 E Gough E 25 xS 137-6. All work except finish hardware, shades and chandeliers for two-story and basement frame (2) flats.
Owner—Louis Chiappellone and Ernest Vigo, 1860 Lombard, San Francisco
Architect—J. A. Porporato, 619 Washington, San Francisco.
Contractor—Fred Warden, 354 Sussex, San Francisco.
Filed Oct. 1, '19. Dated Sept. 29, '19.
Rough frame up.....\$1500
Brown coated..... 1700
Completed and accepted..... 1800
Usual 35 days..... 2137
TOTAL COST, \$7137
Bond, \$3600. Sureties, O. Monson and Chas. Monson. Limit, 90 days. Forfeit, \$2. Plans and specifications filed.

DWELLINGS

(2131) N SEVILLE 240 and 266 W Cordova. Two one-story and basement frame dwellings.
Owner—Crocker Sstate Co., Crocker Bldg., San Francisco.
Architect—None.
Contractor—A. M. Samuelson, 290 Rolph, San Francisco.
COST, \$2950 each

ADDITION

(2132) SW GEARY AND TWENTY-fifth Ave. Add for store room.
Owner—James Buchler, 446 16th Ave., San Francisco.
Architect—None.
Contractor—H. P. Otten, 555 25th Ave., San Francisco.

COST, \$490

REPAIRS

(2133) S SIXTEENTH 50 E Sanchez. Repairs and alterations to three-story frame flats.
Owner—Mrs. Anna Ast, Cr. Mrs. Berth Ast, 402 Post Office Bldg., S. F.
Architect—Wm. A. Newman, 402 Post Office Bldg., San Francisco.
Day's work.

COST, \$950

STEAM BOILER

(2134) NO. 2463 JACKSON. Install low pressure steam boiler.
Owner—J. Wise, Premises.
Architect—None.
Contractor—Gilles Schmid Co., Otis, San Francisco.

COST, \$650

ADDITION

(2135) NO. 1421 FORTY-EIGHTH Ave. Add 2 rooms to dwelling.
Owner—Leo DeNelf, Premises.
Architect—None.
Day's work.

COST, \$400

REPAIRS

(2136) NO. 2023 FOLSOM. Repair and install plumbing.
Owner—A. Harris & Co., 348 Washington, San Francisco.
Architect—None.
Contractor—L. D. Eibel, 2853 Buchanan, San Francisco.

COST, \$400

GRADING, ETC.

(2137) N POST bet. Hyde and Leavenworth adj. garage at 840 Post on East. Grading, bulkheading, etc., of lot.
Owner—Goldberg Bowen & Co., 254 Sutter, San Francisco.
Architect—S. Heiman, 57 Post St., San Francisco.
Contractor—The Eureka Teaming Co., 1818 Green, San Francisco.
Filed Oct. 2, '19. Dated Sept. 30, '19.
Completed and accepted.....\$1387.50
Usual 35 days.....462.50
TOTAL COST, \$1850.00
Bond, none. Limit, 15 days. Forfeit, plans and specifications, none.

DWELLINGS

(2138) LOTS 1 AND 2 BLK "N." Mission Terrace. All work for three one-story frame dwellings.
Owner—Mission Terrace Co. (a corp.), 318 Kearny, San Francisco.
Architect—H. C. Baumann, 251 Kearny San Francisco.
Contractor—H. C. Lewis, 68 Post, S. F.
Filed Oct. 2, '19. Dated Sept. 29, '19.
Frame up and enclosed with wall and roof sheathing.....\$2362.50
Brown coated.....2362.50
Completed and accepted.....2362.50
Usual 35 days.....2362.50
TOTAL COST, \$9450.00
Bond, \$4725. Sureties, Myer Friedman and W. H. Malott. Limit, forfeit, none. Plans and specifications filed.

ADDITION

(2139) E SECOND 127 S Harrison. Two additional stories for lofts.

Owner—L. A. Giacobbi, 233 Post St., San Francisco.
Architect—Edw. G. Bolles, 233 Post St., San Francisco.
Contractor—Peter Lechner, 447 2nd St., San Francisco.

COST, \$20,000

FRAME DWELLING

(2140) W THIRD AVE bet. Fulton and Cabrillo. One-story frame dwelling.
Owner—Mrs. H. H. Morris, Chancellor Hotel, San Francisco.
Architect—None.
Contractor—Geo. Wolfenden, 827 Waller, San Francisco.

COST, \$5500

ALTERATIONS

(2141) NO. 303 THIRD. Alter restaurant front.
Owner—G. Papanriopoulos, Premises.
Architect—None.
Contractor—S. Partidos, 433 23rd Ave., San Francisco.

COST, \$450

FRAME DWELLING

(2142) E TWENTY-SECOND AVE & Anza. Two-story and basement frame dwelling.
Owner—G. Moeller, 24th Ave and Clement, San Francisco.
Architect—None.
Contractor—David Leigh, 840 44th Ave., San Francisco.

COST, \$4000

FRAME DWELLING

(2143) E TWENTY-SECOND AVE 50 S Anza. Two-story and basement frame dwelling.
Owner—J. Heutter, 751 47th Ave., San Francisco.
Architect—None.
Contractor—David Leigh, 840 44th Ave San Francisco.

COST, \$4000

ALTERATIONS

(2144) SW OAK AND SHRADER. Concrete floor, etc., for store and garage.
Owner—Herman Wechter, 2001-3 Oak, San Francisco.
Architect—None.
Contractor—Louis Mudrick, 520 Charter Oak, San Francisco.

COST, \$500

ALTERATIONS

(2145) NO. 2843-45 CLAY. Alter front, etc., for laundry.
Owner—Mrs. A. Ferran, 2845 Clay St., San Francisco.
Architect—None.
Contractor—J. Salanave, 931 Pacific, San Francisco.

COST, \$725

REPAIRS

(2146) S McALLISTER 75 E Fillmore. Repair fire damage; tar and gravel roof.
Owner—H. Freund, Premises.
Architect—None.
Contractor—J. Sockolov, 2558 Clay St., San Francisco.

COST, \$450

ALTERATIONS

(2147) NO. 1834 EGBERT. Raise and alter dwelling.
Owner—Caliste Piechot, Premises.
Architect—None.
Day's work.

COST, \$400

FRAME DWELLING

(2148) W VICTORIA 120 S Ocean Ave. Two-story and basement frame dwelling.
Owner—Urban Realty Imp. Co., 85 Cerritos Ave., San Francisco.
Architect—C. E. Gottschalk, 958 Phelan Bldg., San Francisco.
Contractor—W. C. Duncan & Co., 205 Sharon Bldg., San Francisco.

COST, \$9000

FRAME DWELLING

(2149) E LEE 50, N Holloway. Two-story and basement frame dwelling.
Owner—Wm. Hohneman, 291 17th, San Francisco.
Architect—None.
Day's work.

COST, \$1600

FRAME DWELLING

(2150) NW CHENERY & WHITNEY. One-story and basement frame dwlg
Owner—A. Klahn, 27 Chenery, S. F.
Architect—None.
Day's work.

COST, \$2500

FRAME DWELLING

(2151) W EDINBURGH 175 N France. One-story and basement frame dwlg.
Owner—John G. Ryan, 2844 Army St., San Francisco.
Architect—None.
Day's work.

COST, \$1500

FRAME DWELLINGS

(2152) E BERTITA 405 and 432½ N Mohawk. Two one-story and basement frame dwellings.
Owner—K. Anderson, 204 Lee Ave., San Francisco.
Architect—None.
Day's work.

COST, \$1900 each

ALTERATIONS

(2153) NO. 321 BUSH. Alter partitions.
Owner—Crocker Estate Co., 525 Crocker Bldg., San Francisco.
Architect—None.
Day's work.

COST, \$400

FRAME GARAGE

(2154) NO. 1030 CAPP. One-story frame garage.
Owner—E. S. Knarston, 1012 Capp St., San Francisco.
Architect—None.
Day's work.

COST, \$500

ALTERATIONS

(2155) NO. 348 GRANT AVE. Alter front and erect partitions.
Owner—M. Fleishacker, 14 Sansome, San Francisco.
Architect—None.
Contractor—Robinson & Gillespie, 1051 Sutter, San Francisco.

COST, \$400

ALTERATIONS

(2156) NO. 657 MISSION. Erect metal lath and plaster partitions.
Owner—The Owl Drug Co., Premises.
Architect—None.
Contractor—N. L. Nagle, 180 Jessie, San Francisco.

COST, \$510

SHED

(2157) NO. 1715 MISSION. Erect drying shed.
Owner—Eureka Sash, Door & Mills, Premises.
Architect—None.
Day's work.

COST, \$1000

COMPLETION NOTICES.

San Francisco County

Oct. 3, 1919—E FIFTEENTH AVE
276 S Balboa S 25x E 127. Emil
Nelson to whom it may concern....
Oct. 3, 1919—GREENBUSH 174 E
Broderick E 25x S 137-6 Walter
S Oliver to whom it may concern
Oct. 3, 1919—LOT 19 BLK Crocker
Amazon Tract SW Newton about
25 SE Rolph. Carl Nyman to whom
it may concern.....Oct. 3, 1919
Oct. 2, 1919—E FIFTEENTH AVE 89
N Anza N 25x E 126. George N
Hein to whom it may concern.....
Oct. 2, 1919—E TWENTY-THIRD N
224 N California. Grace Blanchard
to J Harold Johnson.....Sept. 25, 1919
Oct. 2, 1919—N 16.5 FEET LOT 26
and S 17.75 feet Lot 27; S 22 feet
Lot 28 and N 12.25 Lot 27 BLK 3174.
Westwood Park. Hilding Anderson
to Anderson & Johnson.....
Oct. 2, 1919—October 2, 1919
Sept. 30, 1919—N CARRILLO 25 E
26th Ave 25x N 100. W. W. Gr-
wich to whom it may concern....
Oct. 1, 1919—N FULTON 72-8 E 16th
Ave E 20x N 75. Margaret W. J
Koenig to whom it may concern....
Oct. 1, 1919—E PALM AVE 190 N
Geary N 32-4x E 120; E Palm Ave
254-8 N Geary N 32-4x E 120. Percy
D Tyler to whom it may concern
Sept. 30, 1919—N BRYANT 100 W
4th 200 N 150 E 200 S 150.
Sharon Estate Co to Barrett &
Hill.....Sept. 30, 1919
Sept. 25, 1919—W TWENTY-SECOND
Ave 274-5 N Cabrillo N 25x W 120.
George A Bertram to Thomas E
Moller.....Sept. 25, 1919
Sept. 29, 1919—SW POST & SHAN-
NOS S 137-6 W 104-6 N 77-6 W 20
N 80 124-6 E H Burt to
whom it may concern.....Sept. 19, 1919
Sept. 27, 1919—W 1/2 LOT 18 BLK 26
and all Lot 19 BLK 26, Crocker
Amazon Tract. Crocker Estate Co
to Clarence D Bevier and Robt A
McAffee.....Sept. 26, 1919

LIENS FILED.

San Francisco County.

Oct. 3, 1919—NOS. 287-289 HICKORY
Ave and 286-288 Oak Jno C Madden
vs Mrs R A McLaughlin. Mrs
Mary E Hartmannsen, Jno C Mad-
den, Wm J Madden, Kathryn J and
Jno Madden.....\$264.40
Oct. 3, 1919—S BUSH 112-6 E Hyde
E 25x S 88. Progress Woodwork-
ing Co vs D J Clancy.....\$105
Oct. 3, 1919—S BUSH 112-6 E Hyde E
25x S 88. H A Norman (as F G
Norman & Sons) vs D J Clancy.....\$173.70
Oct. 3, 1919—E NAPLES 125 N Rus-
sia Ave 25x100. The Greater City
Lumber Co vs Jas M Inlow and R
L Witson.....\$222.20
Sept. 25, 1919—SW BUSH & TRINITY
W 30x S 68-9. San Francisco Lum-
ber Co vs Mary Sophia Sullivan,
Moyer and Graham and J S Bogart
.....\$487.39
Sept. 24, 1919—W OCTAVIA 120 S
Pine S 65 W 100 N 30. W 37-6 N 35
E 137-6. A Caldwell vs Jennie A
Countryman.....\$180.19
Sept. 20, 1919—LOT 18 BLK 3163.
Westwood Park. Edward L Rob-
erts vs Gottfried Schlenker.....\$60

NOTICE OF NON-RESPONSIBILITY.

San Francisco County

Sept. 30, 1919—NW MARKET AND
Battery. Mary L Phelan as to im-
provements on leased property....
Sept. 30, 1919—NE GOLDEN GATE &
Gough N 120x E 137-6. Eva Koh-
as to improvements on leased
property.....
Oct. 2, 1919—W FOURTH AVE and
SW 200xNW 50. Bernard
Chicorp as to improvements on
leased property.....

BUILDING CONTRACTS.

Alameda County.

3047	Coranson	7900
3048	Coranson	7900
3049	Hobbs	3255
3050	Locke	3000
3051	Hinch	500
3052	Chas Chaut	668
3053	Russell	8416
3054	Sellers	4800
3055	Manzie	3000
3056	Wagner	405
3057	Moore	3000
3058	Cox	998
3059	Robinson	400
3060	Barlascini	1000
3061	Newberg	1500
3062	Rexford	1400
3063	Wagner	2000
3064	Chin Wo	4000
3065	Macaroni Fac	900
3066	Grewell	Owner
3067	Anderson	500
3068	Gasper	Phillips
3069	Johnson	Lundberg
3070	McCracken	McCracken
3071	Jacobsen	Owner
3072	Lindquist	Owner
3073	Hammer	Muller
3074	Sullivan	Chittor
3075	Same	Same
3076	Same	Same
3077	Larsen	Larsen
3078	Marchant	Owner
3079	Seofield	Ernsberger
3080	Cradcock	Minor
3081	Peterson	Minor
3082	Claussenius	Kochendorfer
3083	Delleves	Randlett
3084	Noble	Noble
3085	Halley	Fish
3086	Borle	Borle
3087	Glasgow	Laing
3088	Palmer	Petersen
3089	Peterson	Vieban
3090	McIntyre	Parker
3091	Halich	Bratslet
3092	Pair	Doss
3093	Pavert	Pavert
3094	Same	Same
3095	Same	Same
3096	Same	Same
3097	Beach	Beach
3098	G W Brevery	Malley
3099	Bende	Brown
3100	Capwell	Leiter
3101	Silva	Silva
3102	Burnham	MacGregor
3103	Powell	100
3104	Gocovelli	Owner
3105	Salvation Army	Owner
3106	Reeves	Bassett
3107	Bischoff	3500
3108	Hooper	Peterson
3109	Amer R R Ex	Butler
3110	Tribun	Donbrink
3111	King Rddy	Vaughn
3112	Woodard	Woodard
3113	Knight	Bochhorst
3114	Teeves	Bassett
3115	Heltmann	Schwalb

(3047) W THOMAS 225 and 266 S
Monroe, Oakland. Two one-story 5-
room dwellings.
Owner—H. G. Coranson, 3435 Peralta
Ave., Oakland.
Architect—None.
Day's work. COST, \$3500 each

(3048) S CALMAR AVE 200 E Viona.
Oakland. One-story 6-room dwlg.
Owner—Coit Investment Co, 306 14th,
Oakland.
Architect—None.
Contractor—Roger Coit, 306 14th, Okd.
COST, \$4000

(3049) E KINGSLEY 200 S E-37th,
Oakland. One-story 6-room dwlg.
Owner—H. W. Hobbs, 3608 Kingsley,
Oakland.
Architect—None.
Day's work. COST, \$3525

(3050) S QUIGLEY 90 W 38th Ave.,
Oakland. One-story 5-room dwlg.
Owner—W. H. Locke, 8811 Quigley,
Oakland.
Architect—None.

Contractor—Thad M. Tupper, 2310
Russell, Berkeley.
COST, \$3000

(3051) NO. 2841 MYRTLE, Oakland.
Alterations.
Owner—J. H. Hinch, 1707 Broadway,
Oakland.
Architect—None.
Day's work. COST, \$500

(3052) NE FIFTY-EIGHTH & GENOA
Oakland. Garage.
Owner—C. A. Ranhut, Premises.
Architect—None.
Contractor—A. A. Church, 859 58th,
Oakland.
COST, \$668

(3053) N SANTA CLARA AVE. 50 W
Willow, N 140x W 50, Alameda. All
work for one-story and basement
dwelling and garage.
Owner—Elbridge F. Russell, 2149
Santa Clara Ave., Alameda.
Architect—Frank W. Dakin, 310 Cali-
fornia, San Francisco.
Contractor—Fred Miller, 225 Dolores,
San Francisco.

Filed Sept. 29, '19. Dated Sept. 29, '19.
Roof rafters in \$2100
Plastered 2100
Completed and accepted 2100
Usual 35 days 2115
TOTAL COST, \$8415
Bond, Sureties, none. Forfeit, \$500.
Limit, 75 days. Plans and specifica-
tions filed.

(3054) NO. 3022 HILLEGASS AVE.
Berkeley. Two-story 7-room dwlg.
Owner—S. A. Sellers, 3033 Benvenue
Ave., Berkeley.
Architect—None.
Contractor—C. M. Stan, 2019 Delaware
St., Berkeley.
COST, \$4800

(3055) N EUNICE 120 E Shattuck
Ave., Berkeley. One-story 5-room
dwelling.
Owner—Albert Manzie, 2024 Virginia,
Berkeley.
Architect—None.
Contractor—A. A. Merrifield, 1509
Edith, Berkeley.
COST, \$3000

(3056) NO. 1019 OXFORD, Berkeley.
Addition.
Owner—Mrs. Bell, Premises.
Architect—None.
Contractor—Walter P. Jones, 2218 Los
Angeles Ave., Berkeley.
COST, \$405

(3057) NO. 2710 HILEGASS AVE.
Berkeley. Garage.
Owner—C. W. Moore, Premises.
Architect—None.
Day's work. COST, \$400

(3058) NO. 2512 ETNA, Berkeley.
Fire repairs.
Owner—Edwin Cox, Premises.
Architect—None.
Contractor—H. C. Kidder, 2075 Addi-
son, Berkeley.
COST, \$98.50

(3059) SE ALCATRAZ AND GROVE,
Berkeley. Repairs.
Owner—Jesse Robinson, Claremont
Manor, Oakland.
Architect—None.
Contractor—R. W. Littlefield, 357 12th,
Oakland.
COST, \$500

- (3060) NO. 598 THIRTY-SECOND, Oakland. Alter dwelling into flats. Owner—Jack Barlascini, Premises. Architect—None. Contractor—John Perona, 570 7th St., Oakland. COST, \$2000
- (3061) W SIXTY-FOURTH AVE 425 N Camden, Oakland. One-story 3-room store. Owner—E. S. Newberg, 1824 57th Ave., Oakland. Architect—None. Contractor—C. F. Lodge, Oakland. COST, \$1500
- (3062) S MARION AVE 283 W 38th Ave., Oakland. One-story 3-room dwelling. Owner—J. W. Rexford, 3773 Marion Ave., Oakland. Architect—None. Contractor—A. B. Chase, 2022 Damuth, Oakland. COST, \$1400
- (3063) W MONTGOMERY 200 S 41st, Oakland. Two-story 16-room flat. Owner—W. A. Wagner, 1534 Franklin, Oakland. Architect—None. Contractor—California Builders Co., 1534 Franklin, Oakland. COST, \$13,500
- (3064) NO. 461 NINTH. Alter restaurant into meat market also alter building in rear. Owner—Chin Wo Co., Premises. Architect—None. Day's work. COST, \$4000
- (3065) NO. 1065 SEVENTH, Oakland. Alterations. Owner—Oakland Maccaroni Factory, Premises. Architect—None. Contractor—F. Barozzi, 400 Columbus Ave., Oakland. COST, \$900
- (3066) NO. 2516 FRUITVALE AVE., Oakland. Shed. Owner—W. S. Grewell. Architect—None. Day's work. COST, \$400
- (3067) NO. 1521 FIFTY-FIRST AVE., Oakland. Alterations. Owner—Geo. F. Anderson, Premises. Architect—None. Day's work. COST, \$500
- (3068) NO. 3415 HANNAH, Oakland. Addition. Owner—Joe Gasper. Architect—None. Contractor—A. Phillips, 2831 Helen, Oakland. COST, \$400
- (3069) NO. 2177 FIFTIETH AVE., Oakland. Addition. Owner—C. Johnson, 3300 Elmwood Ave., Oakland. Architect—None. Contractor—L. Lundberg, 2717 Harrison Ave., Oakland. COST, \$500
- (3070) E ARIMO AVE 350 N Walla Vista, Oakland. Two-story 8-room dwelling. Owner—W. J. McCracken, 1327 Broadway, Oakland. Architect—None. Day's work. COST, \$10,000
- (3071) N HARPER 40, 74 and 108 W Minnesota, Oakland. Three one-story four-room dwellings. Owner—V. C. Jacobsen, 3106 Grove, Oakland. Architect—L. F. Hyde, 2745 26th Ave., Oakland. Contractor—S. A. Warner, 4606 Brookdale Ave., Oakland. COST, \$2500 each
- (3072) N FORTY-FIRST 329 E Telegraph Ave., Oakland. Two-story 7-room flats. Owner—Chas. N. Lindquist, Mastick Terrace, Alameda. Architect—None. Day's work. COST, \$6000
- (3073) E TWENTY-SIXTH AVE 100 S E-12th, Oakland. One-story concrete factory. Owner—Hammer Bray Co. Architect—Clay N. Burrell, 1st Savings Bank Bldg., Oakland. Contractor—F. A. Muller, Syndicate Bldg., Oakland. COST, \$18,000
- (3074) N SIXTY-FIFTH 50 and 90 W Whitney, Oakland. Two one-story 5-room dwellings. Owner—J. A. Sullivan, 1st National Bank Bldg., Berkeley. Architect—W. H. Ratcliff Jr., 1st Nat'l Bank Bldg., Berkeley. Contractor—W. C. Clifford, 1st Nat'l Bank Bldg., Berkeley. COST, \$3000 each
- (3075) W WHITNEY 50 and 100 N 65th, Oakland. Two one-story 5-room dwellings. Owner—J. A. Sullivan, 1st Nat'l Bank Bldg., Berkeley. Architect—W. H. Ratcliff Jr., 1st Nat'l Bank Bldg., Berkeley. Contractor—W. C. Clifford, 1st Nat'l Bank Bldg., Berkeley. COST, \$300 each
- (3076) NW WHITNEY & SIXTY-fifth, Oakland. One-story 5-room dwelling. Owner—J. A. Sullivan, 1st Nat'l Bank Bldg., Berkeley. Architect—W. H. Ratcliff Jr., 1st Nat'l Bank Bldg., Berkeley. Contractor—W. C. Clifford, 1st Nat'l Bank Bldg., Berkeley. COST, \$3000
- (3077) NO. 1036 FIFTY-SEVENTH, Oakland. Alterations and additions. Owner—C. M. Larsen. Architect—None. Day's work. COST, \$800
- (3078) NO. 240 GRAND AVE., Oakland. Alterations. Owner—R. H. Marchant, Federal Bldg., Oakland. Architect—None. Day's work. COST, \$450
- (3079) NO. 5833 COLBY, Oakland. Garage. Owner—W. R. Scofield, Premises. Architect—None. Contractor—F. A. Ernsberger, 741 Linden, Oakland. COST, \$400
- (3080) NO. 325 CHICAGO AVE., Oakland. Addition. Owner—Miss J. Craddock, Premises. Architect—None.
- Contractor—W. A. Minor, 557 Montclair Ave., Oakland. COST, \$475
- (3081) NO. 2923 DERBY, Berkeley. Repairs. Owner—Mrs. Lantry, Premises. Architect—None. Contractor—H. W. Pierson, 2917 College Ave., Berkeley. COST, \$450
- (3082) UNION near Alameda Ave., Alameda. One-story brick garage. Owner—Mrs. M. Claussenius, 1813 Alameda Ave., Alameda. Architect—None. Contractor—Leo F. Kochendorfer, 2208 Lincoln Ave., Alameda. COST, \$8000
- (3083) NO. 1820 CLINTON AVE., Alameda. Alterations to building. Owner—Mrs. J. S. Delleves, Premises. Architect—None. Contractor—E. A. Randlett, 1534 Chestnut, Alameda. COST, \$4000
- (3084) NOS. 2705-09-11-13 WASHINGTON, Alameda. Four one-story five-room dwellings. Owner—G. H. Noble, 2205 Santa Clara Ave., Alameda. Architect—None. Day's work. COST, \$2600 each
- (3085) NOS. 1200-1216 FOUNTAIN, Alameda. Two one-story five-room dwellings. Owner—Frank Hally, 2315 Santa Clara Ave., Alameda. Architect—None. Contractor—M. H. Fish, 1340 Versailles Ave., Alameda. COST, \$2500 each
- (3086) NO. 2027 LINCOLN AVE., Alameda. Alterations. Owner—C. A. Borle, 2117 Buena Vista Ave., Alameda. Architect—None. Day's work. COST, \$450
- (3087) NO. 1914 PACIFIC AVE., Alameda. Alterations. Owner—Mrs. Gladys Glasgow, 1812 27th Ave., Oakland. Architect—None. Contractor—E. W. Laing. COST, \$400
- (3088) NO. 1714 PEARL, Alameda. Two-story 5-room dwelling. Owner—S. Palmer, 1712 Pearl, Ala. Architect—None. Contractor—Alex C. Wieben, 1919 Fruitvale Ave., Oakland. COST, \$3400
- (3089) NO. 2615 VIRGINIA, Berkeley. One-story 3-room dwelling. Owner—Mrs. A. Peterson, Premises. Architect—None. Contractor—Frank E. Peterson, Prem. COST, \$1500
- (3090) NO. 577 TWENTY-NINTH ST. (rear), Oakland. One-story 3-room dwelling. Owner—Miss Annie McIntyre, Prem. Architect—None. Contractor—Jas. Parker, 944 E-14th, Oakland. COST, \$1400

- (3091) E EIGHTY-FOURTH AVE 80 S Birch, Oakland. One-story 3-room dwelling.
Owner—Mrs. Wm. Hallich, 8403 E-14th, Oakland.
Architect—None.
Contractor—O. E. Bratsete, 2129 64th Ave., Oakland.
COST, \$1000
- (3092) NO. 443 LEE, Oakland. Alterations.
Owner—H. H. Fair, Premises.
Architect—None.
Contractor—C. A. Doss, 2028 E-15th, Oakland.
COST, \$500
- (3492) W EIGHTY-SEVENTH AVE 250, 300 and 350 S Blanch, Oakland. Three one-story 6-room dwellings.
Owner—R. J. Pavert, 2070 Auseon Av., Oakland.
Architect—None.
Day's work.
COST, \$2990 each
- (3094) NW EIGHTY-SEVENTH AVE and Olive, Oakland. One-story 6-room frame dwelling.
Owner—R. J. Pavert, 2070 Auseon Av., Oakland.
Architect—None.
Day's work.
COST, \$2990
- (3095) E EIGHTY-SEVENTH AVE 100, 150 and 200 N Olive, Oakland. Three one-story 6-room frame dwlg's
Owner—R. J. Pavert, 2070 Auseon Av., Oakland.
Architect—None.
Day's work.
COST, \$2990 each
- (3096) W EIGHTY-SEVENTH AVE 50 and 100 N Olive, Oakland. Two one-story 6-room dwellings.
Owner—R. J. Pavert, 2070 Auseon Av., Oakland.
Architect—None.
Day's work.
COST, \$2990 each
- (3097) NOS. 902-906 WASHINGTON, Oakland. Alterations.
Owner—Beach & Hughes, Premises.
Architect—None.
Day's work.
COST, \$500
- (3098) NW SEVENTH & KIRKHAM, Oakland. Water cooler.
Owner—Golden West Brewery.
Architect—None.
Contractor—F. T. Malley, 501 Santa Ray Ave., Oakland.
COST, \$1000
- (3099) E TWENTY-THIRD AVE 50 N E-10th, Oakland. Shed.
Owner—F. M. Bende, 828 23rd Ace., Oakland.
Architect—None.
Contractor—M. Brown, 1922 E-14th, Oakland.
COST, \$650
- (3100) FOURTEENTH AND CLAY, Oakland. Alterations and additions to store building.
Owner—H. C. Capwell Co., Premises.
Architect—E. W. Cannon, Oakland.
Contractor—E. T. Leiter, Call Bldg., San Francisco.
Filed Oct. 2, '19. Dated Oct. 1, '19.
1st day of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, \$7235
Bond, none. Limit, Dec. 1. Forfeit, none. Plans and specifications filed.
- (3101) E EIGHTY-SECOND AVE 800 W Foothill Blvd., Oakland. One-story 5-room dwelling.
Owner—F. & E. Silva, 8425 Foothill Blvd., Oakland.
Architect—None.
Day's work.
COST, \$3000
- (3102) W STANFORD AVE 32, 64 and 96 S 60th, Oakland. Three one-story 5-room dwellings.
Owner—C. B. Burnham, Oakland.
Architect—None.
Contractor—C. M. MacGregor, 470 13th Oakland.
COST, \$2950 each
- (3103) NO. 699 JEAN, Oakland. Garage.
Owner—Wade H. Powell, Premises.
Architect—None.
Day's work.
COST, \$400
- (3104) S CARY AVE 50 W Hale, Oakland. One-story 2-room dwelling.
Owner—J. Goccovelli, Stonehurst.
Architect—None.
Day's work.
COST, \$500
- (3105) S BEULAH — E Calavares, Oakland. Fire repairs.
Owner—Salvation Army.
Architect—None.
Day's work.
COST, \$1000
- (3106) NW FIFTY-THIRD AVE AND E-12th, Oakland. One-story three-room dwelling.
Owner—R. E. Reeves, 3324 E-14th, Oakland.
Architect—None.
Contractor—Ed. Bassett, 3229 E-14th, Oakland.
COST, \$790
- (3107) NW RUSSELL AND CHERRY, Berkeley. One and one-half-story seven-room dwelling.
Owner—John A. Bischoff, 5768 Shafter Ave., Oakland.
Architect—None.
Day's work.
COST, \$3500
- (3108) LOTS 4 AND 5 Map Grand View Terrace, Piedmont. All work for one-story dwelling.
Owner—Ida G. Hooper, 157 Hagar Ave., Oakland.
Architect—None.
Contractor—Alfred Peterson, 3918 Linwood Ave., Oakland.
Filed Oct. 2, '19. Dated Oct. 2, '19.
Frame up..... ¼
Ready for plaster..... ¼
Completed and accepted..... ¼
Usual 35 days..... ¼
TOTAL COST, \$5981
Bond, \$2990.50. Surety, Globe Indemnity Co. Limit, 60 days after Oct. 6. Forfeit, none. Plans and specifications filed.
- (3109) FOOT-OF-SIXTEENTH, Oakland. One-story brick addition to express building.
Owner—American Railway Express. Wells Fargo Bldg., San Francisco.
Architect—Jas. H. Humphrey, Wells Fargo Bldg., San Francisco.
Contractor—Butler & Teitley, 180 Jessie, San Francisco.
COST, \$18,237
- (3110) SW THIRTEENTH & FRANKLIN, Oakland. Marquee.
Owner—Tribune Publishing Co., Prem.
Architect—None.
- Contractor—H. Dombrink Co., 2008 Telegraph Ave., Oakland.
COST, \$1800
- (3111) N SEVENTH 95 W Peralta, Oakland. Two-story store and dwelling.
Owner—King Realty & Land Co., 7th and Peralta, Oakland.
Architect—None.
Contractor—John Vaughn, 1124 Hampel, Oakland.
COST, \$2500
- (3112) S WELLINGTON 325 E Park Blvd., Oakland. One and one-half-story 6-room dwelling.
Owner—Mable Woodard, 4025 Brighton Ave., Oakland.
Architect—None.
Contractor—E. W. Woodard, 4025 Brighton Ave., Oakland.
COST, \$4000
- (3113) NO. 295 JAYNE AVE., Oakland. Alterations.
Owner—E. Knight, 293 Jayne Ave., Oakland.
Architect—None.
Contractor—H. Bockhorst, 293 Jayne Ave., Oakland.
COST, \$450
- (3114) W FIFTH AVE 180 S E-14th, Oakland. One-story 3-room dwlg.
Owner—R. E. Reeves, 3324 E-14th St., Oakland.
Architect—None.
Contractor—Ed. Bassett, 3229 E-14th, Oakland.
COST, \$790
- (3115) LOT 22 A. J. Snyder's Piedmont Terrace-by-the-Lake Tract, Oakland. All work for two-story 8-room dwelling and garage.
Owner—Mrs. Marie Heltmann, 1720 Hopkins, Oakland.
Architect—None.
Contractor—Harry Schwalm, Hayward
Filed Oct. 3, '19. Dated Oct. 2, '19.
Exterior sheathed..... ¼
Brown coated..... ¼
Completed and accepted..... ¼
Usual 35 days..... ¼
TOTAL COST, \$9000
Bond, none. Limit, 90 days from Oct. 5. Forfeit, none. Plans and specifications filed.

COMPLETION NOTICES.

Alameda County.

Recorded	Accepted
Sept. 30, 1919—LOT 9 Map Grand Avenue Terrace, Okd.	H L Cohn to whom it may concern. Sept. 29, 1919
Sept. 30, 1919—LOT 146 BLK 25 Havenscourt Tract, Okd.	J L Newton to G D Stratton. Sept. 25, 1919
Sept. 30, 1919—SE SHAFER AVE 297.93 NE Pryal NE 37xSE 110.	Okd. J W Gaba to whom it may concern. Sept. 25, 1919
Sept. 29, 1919—E FAIRFAX AVE 362.15 N Ygnacio, Okd.	Arthur D Janssen to B F Koepf. Sept. 29, 1919
Sept. 27, 1919—N FOURTEENTH bet. Harrison and Webster, Okd.	Mary E Davidson and A H Marx to Nelson & Forsyth. Sept. 24, 1919
Sept. 20, 1919—SE TWENTY-fourth and Webster S 65xSE 100, Okd.	Emma and Hugo Muller to F A Muller. Sept. 5, 1919

BUILDING CONTRACTS.

Santa Clara County.

ALTERATIONS

CAMPUS OF STANFORD UNIVERSITY, Palo Alto. All work for alterations to the power plant and steam distribution system of Stanford University.

Owner—The Board of Trustees of The Leland Stanford Jr. University, Palo Alto.

Engineers—Hunter & Hudson, Rialto Bldg., San Francisco.

Contractor—Kiernan & O'Brien, Inc., 1756 Mission St., San Francisco.

Filed Sept. 23, '19. Dated Sept. 19, '19.

Completed and accepted..... 75%
Usual 35 days..... 25%

TOTAL COST, \$4966
Bond, \$2000. Surety, Kiernan & O'Brien, Inc. Limit, 90 calendar days from date. Forfeit, none. Plans and specifications filed.

FRAME RESIDENCE

E MOORE ST., bet. Fremont and Randall Sts., near San Jose. All work for one and one-half-story frame residence.

Owner—Douglas Sims, 115 Singletary St., San Jose.

Architect—Wolfe & Higgins, Auzerals Bldg., San Jose.

Contractor—J. E. Perkins, 1652 E-Santa Clara St., San Jose.

Filed Sept. 27, '19. Dated Sept. 26, '19.

Frame up.....\$1490
1st coat plastering on..... 1490

Completed and accepted..... 1490
Usual 35 days..... 1490

TOTAL COST, \$5960
Bond, \$2980. Sureties, James H. Pierce and H. P. Damon. Limit, 100 working days from date. Forfeit, \$2. Plans and specifications filed.

RESIDENCE

CAMPUS OF STANFORD UNIVERSITY, Palo Alto. Brick work, iron work, flue lining, etc., for two-story and a half Class "B" residence.

Owner—Mrs. Lou Henry Hoover, Palo Alto.

Architect—A. B. Clark, Stanford University, Palo Alto.

Contractor—H. P. Nelson, 2241 Grove St., Berkeley.

Filed Sept. 27, '19. Dated Sept. 26, '19.

On 1st and 15th of each month 75%
Usual 35 days..... 25%

TOTAL COST, \$7870
Bond, \$3935. Surety, Globe Indemnity Co. Limit, 35 working days from Oct. 2, 1919. Forfeit, none. Plans and specifications filed.

ALTERATIONS

NO. 59 W-SANTA CLARA ST., San Jose. Alterations.

Owner—Auzerals Estate, Premises.

Architect—Wolfe & Higgins, Auzerals Bldg., San Jose.

Contractor—E. L. Wolfe, 131 Coe St., San Jose. COST, \$1250

GARAGE

TWENTY-FIFTH AND SANTA CLARA STs., San Jose. Garage.

Owner—L. R. Lenfest. 1195 E-Santa Clara St., San Jose.

Architect—None.
Day's work. COST, \$1000

COMPLETION NOTICES.

Santa Clara County.

Recorded

Sept. 25, 1919—MIRA MONTE AVE., near Mt. View. Joseph Eastwood to P T Jorgensen.....Sept. 17, 1919

Accepted

BUILDING CONTRACTS.

San Joaquin County.

DWELLINGS

NORTHERN ADDITION, Stockton. Two frame dwellings and garage.

Owner—Stockton Land Association, Stockton.

Architect—None.
Day's work. Cost, \$2700 and 2800 respectively and garage, \$300.

FRAME DWELLING

EAST SCOTTS AVE., Stockton. Frame dwelling.

Owner—W. F. Holbrook, 1447 E-Hazleton St., Stockton.

Architect—None.
Day's work. COST, \$2006

FRAME DWELLING

LAFAYETTE ST., bet. Commerce and Center Sts., Stockton. Frame dwlg.

Owner—H. A. Hill, Stockton.

Architect—None.
Day's work. COST, \$4500

BUILDING CONTRACTS.

Fresno County.

DWELLING

LOT 12 Sierra Vista Tract, Fresno. Frame dwelling and garage.

Owner—Nels N. Nelson, 948 Roosevelt St., Fresno.

Architect—None.
Day's work. COST, \$3500

DWELLING

LOT 15 BLK 27, Alta Vista Tract, Fresno. Frame dwelling and garage

Owner—T. J. Reese, Fresno.

Architect—None.
Day's work. COST, \$3500

DWELLING

LOTS 7 AND 8 BLK 4, Sunset Addition, Fresno. Frame dwelling and garage.

Owner—Wm. L. Matlock, 227 Coast St., Fresno.

Architect—None.
Contractor—G. H. Stivers, 1606 Poplar St., Fresno. COST, \$6000

FRAME DWELLING

LOTS 29 AND 30 BLK 46, Fresno. Frame dwelling.

Owner—A. Lencioni, 1320 Tuolumne St., Fresno.

Architect—None.
Contractor—Jas. Romano, Fresno. COST, \$3000

FRAME DWELLING

LOTS 31 AND 32 BLK 40, Arlington Heights, Fresno. Frame dwelling.

Owner—D. Castano, Fresno.

Architect—None.
Owner—Jas. Romano, Fresno. COST, \$4500

FRAME DWELLING

LOT 34, Alta Vista Tract, Fresno. Frame dwelling and garage.

Owner—Al Webster, Fresno.

Architect—None.

Contractor—J. O. Kerrick, 822 "T" St., Fresno. COST, \$6000

DWELLING

LOT 6 BLK 13 Wilson North Fresno Tract, Fresno. Frame dwelling and garage.

Owner—A. P. Wilson, 1297 Wishon St., Fresno.

Architect—None.

Contractor—J. D. Shorb & Meads, 127 Fresno Ave., Fresno. COST, \$15,000

FRAME DWELLINGS

LOTS 10 TO 22 BLK 9 La Sierra Tract, Owner—Central California Land & Improvement Co., 291 Trust Co. Bldg., Fresno.

Architect—None.

Contractor—R. C. Blackwell, 1378 Wilson St., Fresno. COST, \$4500 each

DWELLING

LOT 7 BLK 27, Hazelwood, Fresno. Frame dwelling and garage.

Owner—Mrs. Clara Mang, Fresno.

Architect—None.

Contractor—C. V. Smith, Fresno. COST, \$4500

DWELLING

LOT 13 BLK 28, Alta Vista Tract, Fresno. Frame dwelling and garage

Owner—Tom Ware, Fresno.

Architect—None.

Contractor—C. V. Smith, Fresno. COST, \$4800

COMPLETION NOTICE.

Fresno County.

Recorded

Accepted
Sept. 26, 1919—N 17 FEET LOT 17 all Lot 16 S 3 feet Lot 16 Blk 6 North Point Terrace, Fresno. G H Stivers and Geo Brashear to whom it may concern Sept. 26, 1919
Sept. 30, 1919—N 17 FEET LOT 12, Lot 11 S 3 feet Lot 10 Blk 6, North Park Terrace. G H Stivers and Geo Brashear.....Sept. 29, 1919

LIENS FILED.

Fresno County.

Recorded

Amount
Sept. 26, 1919—LOTS 9 AND 10 BLK 1, Aten Addition, Fowler. Allan R Johnson vs E Benson.....\$364

CITY OF FRESNO BUILDING TOTALS.

The following is a report of the building operations in the City of Fresno for the month of September, 1919:

New Buildings, \$721,453; No. Permits, 105; Total for Year, \$2,552,327.

Alterations and Repairs, \$39,055; No. Permits, 53; Total for Year, \$255,172.

COMPLETION NOTICES.

Sacramento County.

Recorded

Accepted
Sept. 25, 1919—NE TWELFTH AND "A" Sts., Sacramento. (Service Station). Associated Oil Co to whom it may concern.....

JOS. MICHEL

W. A. PFEFFER

H. N. PATTERSON

Iron work

Sidewalk Doors
Elevator Cars
Elevator Enclosures
Store Fronts
Smokestacks

Gratings
Railings
Fences & Grills
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Apartment Phone, Kearny 2307

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ASH-BASSWOOD-BEACH
AROMATIC RED CEDAR
COTTONWOOD-ELM-HOLY
SOUTHERN RED GUM
HICKORY-LAUREL-MAPLE
OREGON WALNUT-PLAIN OAK
QUARTERED OAK
WYBROCK BENDING OAK
POPLAR-WALNUT



BOROUGH-EBONY-IRONBARK
JENSEN-HOA-SPANISH CEDAR
LIGNUMVITAE-MAHOGANY
ROSEWOOD-TEAK-RED SEAN
SPITTED GUM-GRASSY WALNUT
LUMBER-TIMBER
HARDWOOD FLOORING
WYBRO VENEERED PANELS
BOWELS-TREEMILLS-VENEERS

WHITE BROTHERS

FIFTH and BRANNAN STREETS

SAN FRANCISCO, CAL.

PIERCE-BOSQUIT, Abstrat & Title Co.

Capital Stock \$100,000

Sacramento, Placerville,
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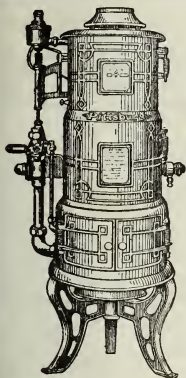
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San Francisco, Cal., October 15, 1919

Published Every Wednesday
Nineteenth Year, No. 42



A BIG THING

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J. P. FARRELL.....Exchange Editor

American Association of Engineers

NEWS FROM NATIONAL HEAD-QUARTERS.

The Public Service Committee of the New York Chapter of the American Association of Engineers has made its report on the present salaries of engineers by the City of New York, with recommendations for increases.

The committee recommends:

(1) A graded increase of salaries to be granted to all technical employees, ranging from 73 per cent for the lowest paid to 20 per cent for those receiving more than \$5,000 per annum, the increase for the city amounting to a total of \$950,000, for the commissions to \$516,000, a grand total of \$1,466,000.
(2) A flat increase of approximately \$500 as an absolute minimum increase which should be granted to each employee if it is impossible to adopt recommendation 1 at the present time, the increased annual salary being adjusted into multiples of \$120 for convenience in accounting, the increase for the city amounting to \$612,000 and for the commissions to \$356,000, a grand total of \$968,000.

Upon report that the President was considering the appointment of a lawyer to the Interstate Commerce Commission, the national headquarters of the American Association of Engineers telegraphed to its 80 or 90 Chapters and Clubs throughout the United States requesting that every every member who could be prevailed upon to do so, telegraph Secretary Tumulty urging the appointment of an engineer. The President had previously been requested by Dr. F. H. Newell, President of A. A. E., to appoint an engineer.

As a result of the study of salaries of engineering employees which has been carried on in the Central Western Region of the United States Railroad Administration, salary adjustments are now being made for a great proportion of the junior engineers and the supervisory officers in the lower grades. The new salaries are very satisfactory to those engineers who have benefited by them, and it is expected that the additional adjustments which are made will be on the same basis. The necessity for this action, the information supporting it, and a suggested schedule of salaries was first presented in this region last June by the American Association of Engineers, and since that time the Association has kept in close touch with the situation.

In response to a telegram which was sent out from National Headquarters of the American Association of Engineers requesting Chapters and Clubs of A. A. E. to telegraph the President of the United States urging the appointment of an engineer to the Interstate Commerce Commission, the St. Joseph, Missouri, Club not only sent telegrams signed by many members of the Club, but also telegrams sent to Secretary Tumulty by each member of the Board of Public Works and by the Mayor of St. Joseph.

September was the first month in the history of the American Association of Engineers in which 1,000 members were added to its rapidly growing membership. The previous high month for membership to the Association was June, 1919, in which month 814 memberships were completed. In September, 1,001 memberships were completed and 1,157 applications for membership were received. The membership of the Association is now more than 7,600.

Doctor F. H. Newell, President of the American Association of Engineers, addressed the Associated Engineering Societies of St. Louis on October 1.

The New York Chapter of the American Association of Engineers has applied for membership in the New York Chamber of Commerce.

General John F. O'Ryan addressed the meeting of the New York Chapter on September 24 on the subject of "Compulsory Military Training in the Scheme of National Defense."

RECLAIMING MESA LANDS BORDERING IMPERIAL IRRIGATION DISTRICT.

Plans for the reclaiming and peopling of the mesa lands bordering the Imperial Irrigation District, comprising an area of more than 200,000 acres, through building of irrigation works by the government at a cost of about \$40,000,000 were advanced recently by Dr. Elwood Mead, Professor of Rural Institutions in the University of California, and chairman of the State Land Settlement Board.

In a bulletin issued by the Agricultural Experiment Station of the State University, Professor Mead states that title to the land should be retained by the government until the irrigation works are completed and water is

available for irrigation. Settlers could then begin the improvement and cultivation of their farms as soon as they went on the land.

"It should be sold only to actual settlers in small individual farms. The town sites should be located and laid out, like the farms, according to some carefully thought out plan, so that the people who make their homes on what is now a desert will feel that they have all had the aid that science and experience can give," declares Dr. Mead. "The land settlement law ought to be utilized in the development of a part of the mesa lands."

Objection is taken to the policy outlined in the bill at present pending in Congress for the following reasons:

1. It leaves each settler to shift for himself and makes the peopling of this area and the creation of towns and farm homes a matter of uncoordinated individual effort.

2. Land would be sold before there was any water provided for irrigation.

3. Land to be sold under the bill is without any proper classification of the soil.

4. The size of the 160-acre unit to be sold is too large for people who cannot invest \$1600 in cash or provide it in five years while waiting for government or corporate canal building.

5. Not all the land would be sold.
"If such a plan should be adopted," writes Professor Mead, "it would make soldier or civilian settlement on this area, by the California Land Settlement Board, costly, if not impossible."

To secure unity of action, Professor Mead suggests a meeting of certain agencies at the University of California as a convenient place, to include among others, the State Engineering Office, the State Water Commission, the Irrigation Investigations, the State Land Settlement Board, the College of Agriculture, the U. S. Reclamation Service, and delegates from the Irrigation District, the Board of Supervisors, the American Legion and the Farm Bureau of Imperial County and District.

UNITED STATES CIVIL SERVICE EXAMINATION.

Drainage Engineer (Male), \$1800-\$2100

November 4, 1919.

Applicants should apply at once for Form 1312, stating the title of the examination desired to the Civil Service Commission, Washington, D. C., or Post Office, San Francisco.

TO DEVELOP ELECTRIC POWER FOR MINING.

The State Engineer's office at Carson City, Nevada, has received application from P. A. Simon, of the Simon mines near Mina, for the right to use the East Walker River for electric power purposes for mine and milling. The proposed site of this power plant is situated near Horseshoe bend, not far from Sweetwater, and a survey of the surrounding reservoir has been ordered.

In the applications it is stated that the purpose is to create approximately 6000 horsepower, the water to be impounded by the construction of concrete and rock dams at a cost of \$500,000. Three years is given as the time required to finish this project, which is one of the largest so far undertaken by any mining concern in the State. It is further stated that the water is to be used solely for power purposes and returned to its proper channel after passing through the penstocks of the generating plant.

AMERICAN TRADE MARKS IN JAPAN.

International fair play has been substantially exemplified by the decision of the Supreme Court of Japan on the validity of American trade marks properly registered. Good will in the affairs of men counts for more today—has a higher commercial value—than in any period of history.

The acceptance of these fundamental facts by the Japanese tribunal gives the printed declaration of American trade a broader scope. The safeguards from forgery and plagiarism on trade marks has great significance in the field of world trade.

HIGHWAY MAINTENANCE.

IV.

By G. M. N.

November, 1910	18 Millions
November, 1916	13 Millions
November, 1918	40 Millions
State Highways	73 Millions

The people of the State of California have responded generously to the Highway Commission's every appeal for more millions and still more millions with which to build "Good Roads." It now appears from this same Highway Commission's First Biennial Report that it was not "Good Roads" that were built, but only good roads, as the maintenance problem commences to loom rather large, from 265 to 1231 dollars per mile, or almost as much as any old gravel road built by farmers used to cost and not a "1920 model" "concrete for permanence" road built by eminent engineers, educated in "America's best Universities" and paid salaries that an ordinary engineer plugging along for himself only dimly realizes as a possibility.

The question of maintenance, which is assuming such serious proportions,

is interesting from the every-day engineer's standpoint in more than one way, because at the start of the building of our highways considerable difference of opinion existed and was voiced by engineers of no little experience in road and street work as to the type that should be built. A committee was appointed at the Santa Barbara Convention of the League of California Municipalities to make a report on proposed highway specifications and practice, and the committee rendered a report dated San Francisco, August 12, 1912, of which we reprint the conclusions:

Suggested Specifications.

Having in mind the **increasingly greater traffic demands which will be made after the completion of the highway**, we would suggest three classes of pavement as being much more permanent and satisfactory in every way than those proposed.

1. A standard pavement, consisting of a cement concrete base, and a bituminous wearing surface of at least two and one-half inches thick, constructed according to best modern practice; this form of pavement has been proven to be successful in all large cities and is considered standard by all municipal engineers.

2. A pavement consisting of a 5-inch cement concrete base, as before, but overlaid with a two and one-half inch thickness of bituminous rock, similar to many pavements in San Francisco and other cities.

3. A pavement commonly known as asphalt concrete, consisting of a base course three inches thick and a wearing surface two inches thick, each course to be separately rolled to complete resistance. This form of pavement has been in use for many years and has proven entirely satisfactory.

A bituminous concrete similar to the asphaltic concrete might be used to advantage along the line of the coast route. For present highway purposes in most localities, we consider that the asphalt concrete form of pavement would be the best pavement to be had under existing circumstances.

In support of our contention that an asphalt concrete pavement can be laid at a comparatively low cost, we would cite that in Sacramento contracts were recently entered into for a 5-inch asphalt concrete at the rate of 11½ cents per square foot including grading; also that in Fresno, contracts for a similar 5-inch pavement were entered into at the rate of 13 cents per square foot including grading; also that in Madera, similar contracts were made at the rate of 14 cents per square foot including grading.

Recommendations.

In conclusion, we would remind your body that approximately 70 per cent of the burden of taxation will fall upon the incorporated cities. If poor pavements, or experimental pavements are laid between cities, they will be the greatest sufferers and would therefore have the best right to be heard in the matter of pavements. In view of the seriousness of adopting improper specifications we would recommend that you give the matter your careful and immediate attention.

Respectfully submitted.

(Signed) CHRIS P. JENSEN,
S. J. VAN ORNUM,
J. J. JESSUP.

To this report the State Highway Engineer made reply in a statement to the Highway Commission—printed in the California Highway Bulletin so-called, a sheet richly illustrated and issued at the State's expense every so often to the self-glorification of the State Highway Department. The conclusions of his reply follows:

Conclusion.

The report of the committee to the League of California Municipalities raises some interesting points, but they touch upon no subject which has not been considered pro and con many times at the executive meetings of the Commission.

I think that the plan adopted of constructing the bases of the roads of hydraulic cement concrete is above adverse criticism. A foundation is thus provided for almost any kind of wearing surface which the future may develop.

The State Highway Act provides that the state shall maintain the roads and by the time the money is needed the Legislature will doubtless appropriate money for that purpose. When the time arrives that a better type of wearing surface seems desirable, it is likely that another bond issue will be voted. A permanent base will be ready to receive it.

The pith of the criticism is that the Commission is trying to do too much work that the committee is pleased to call "mediocre" in an endeavor to complete the state highway system within the sum appropriated, namely \$18,000,000.

The reporters virtually recommended that the requirements of the State Highway Act be disregarded and that the Commission proceed with its work, without particular consideration of the entire mileage, and pave the main lines with either a sheet asphalt on a heavy concrete base or with the so-called asphaltic concrete.

Such ultra-substantial work as the committee recommends would be more nearly applicable to the needs of Fifth avenue in New York or the London Embankment, and the rural roads of California will hardly require such heroic treatment, at least during the life of the present bond issue.

Were it desired to build now such costly types of road what justification would an officer of the people have in disregarding the plain mandates of the law and deliberately adopting a policy which would leave out from the system from one-quarter to one-third of the roads which the people voted to improve.

Who in the State has the power, the right, or the assurance to direct or to even connive at such a policy?

Respectfully,

(Signed) A. B. FLETCHER,
Highway Engineer.

October 10, 1912.

The last twelve lines of above "conclusions," which even at the time they were uttered had a hollow sound, are today a mockery on the common sense engineers are supposed to possess in higher degree than the layman.

The "ultra-substantial work" that was "more nearly applicable to the needs of Fifth avenue in New York" is apt to be somewhat surpassed on the "rural roads of California" that would "hardly require such heroic treatment."

THE FARMERS AND THE RAILROADS.

The Oklahoma Farmers' Union is entirely consistent in its stand concerning the railroad brotherhoods' plan for government ownership of the railroads. In resolutions adopted at their meeting at Clinton, the members of the farmers' union put forward this proposition:

"If Congress in its wisdom sees fit to give these railroad men their demands, we ask that Congress shall also buy all of the farms in the United States, with their equipment, and employ all of the farmers to operate them, paying to the farmers a wage equal to two-thirds of the hourly wage that the average railway employee receives; and then sell all farm products to the consumer at cost."

The alternative proposition of the farmers is just as reasonable as that advanced by the railroad unions. In fact, more reasonable, because in the case of the government ownership of farms, the product would be sold to the consumer at cost; whereas the railroad unions propose that the railroads be run at a profit and that they be given a large share of the profits. In their proposal, the farmers agree to give all the profits from the farms to the public and still be content with an hourly wage equal to two-thirds of what is paid the average railway employee.

Of course, the farmers are really not so selfish as to insist that the masses of the people go heavily into debt to buy the farms and insure the farmers a higher wage. They simply proposed—and justly—that if the people bought the railroads for the railway workers, they also should, as a matter of fairness, buy the farms for the farmers.

While presenting their alternative proposition, in order to show by comparison, the injustice of the railroad brotherhoods' plan, the Oklahoma Farmers' Union at the same time went on record as being opposed to any form of government ownership of railroads.

"We view with alarm and oppose any government ownership of railroads," says the resolution, "and we especially oppose the Plumb plan (the railroad brotherhoods' plan) of buying the railroads by the United States government at the public expense, turning them over to the railroad employees and guaranteeing to the employees that whatever wage they demand will be paid."

If the masses of the people are to pay for buying the railroads for any class of workers, it would be better to buy them and donate them to the farmers. The latter are more interested in guaranteeing to the public an uninterrupted operation of trains and an efficient service at the lowest cost.

Or, the railroads might be bought and donated to the carpenters or the bricklayers or the laborers who are engaged in manufacturing automobiles or other special products. The railroads might just as well be donated to any of these classes of workers as to the railroad employees, if the masses of the people are going to foot the bill.

It is significant that while the railroad workers insist on sharing the profits of the railroads, they do not propose to share any deficit that occurs in operating the roads. The railroad employees do not intend to stand any loss, but to make their earnings as the expense of the public. One of the brotherhood leaders objects to putting railroad profits back into the railroads in the form of improvements. If the government-ownership, profit-sharing plan were put into effect, it is possible that the railroad union men would divide the railroad profits among themselves and their operators. Then if it was found necessary to make improvements they would issue bonds and make the public pay for the improvements.

Although any form of government ownership of railroads is unthinkable, the plan proposed by the railroad brotherhoods is the worst yet brought forward. It is especially vicious because it proposes legislation for a particular class of workers and provides that these workers shall be given special benefits for which the great majority of other workers will pay. The railroad employees constitute only about three per cent of all employees in the United States. Yet they insist that their will shall be supreme over all.—Editorial from the Oklahoma City Oklahoman of August 22, 1919.

STATE CORPORATION DEPARTMENT.

SACRAMENTO, Cal. — California Newhall Oil Co. which proposed to drill for oil near Newhall, Los Angeles County, has been given authority by Commissioner of Corporations E. C. Bellows to sell and issue shares of its capital stock.

Under the permit the company is authorized to issue 100,000 shares to Frank A. Marcher as consideration for a grant deed of 160 acres near Newhall. It is also permitted to sell 147,500 shares at par for cash, the proceeds to be utilized in developing the land.

The deed to the land is executed subject to the condition that no more than three oil wells shall be drilled in the land to a depth of 2,000 or to production oil on or before January 1, 1924.

Placentia Oil Company, which has secured a lease of 20 acres of land near Richfield, Orange County, has permission from the Commissioner to issue 7,500 shares of its capital stock for the lease, and to sell 3,200 shares to subscribers at 50 cents per share, and to sell 150,000 shares at par, \$1. The proceeds from the sale of the 150,000 shares are to be used in drilling and developing the land for oil.

Gold Reef Consolidated Mines Company of Pasadena has been given permission to issue 500,000 shares at par to purchase a group of nine claims in the Gold Reef Mining District from the Tom Reed Gold Mines Company and the Clipper Mountain Gold Mining Company.

Permission also is given to the company to sell 400,000 shares at 10 cents per share. The proceeds from the sale will be used for the purpose of further prospecting the claims.

Acacia Gold and Silver Mining Company, a Washington corporation, has permission to sell 50,000 shares at 60 cents per share for the purpose of continuing development of veins within the group of claims it proposes to purchase. The company holds options to purchase two groups of claims in Yellow Pine and Big Creek Mining District.

Mandalay Mines Company, a Nevada corporation, is permitted to issue 400,000 shares of its capital stock, par value 10 cents per share in exchange for five unpatented lode claims and a mill site in National Guard District, Humboldt County, Nevada. It is also permitted to sell 200,000 shares at five

cents per share. The company will use the proceeds from the sale of the stock in further prosecuting the claim.

THE BONUS EVIL AND ITS EFFECTS

[From Canadian Municipal Journal.]
Of the resolutions adopted by the Union of Canadian Municipalities at its annual meeting in Kingston none is worthy of more attention than the resolution against the subsidizing of local industries by means of bonuses, grants of free sites, or exemption from taxation. The Provincial Governments are to be asked to enact legislation preventing this wasteful competition among municipalities. Few ambitious urban municipalities can plead innocence in this matter. Hamilton is one of many which have sacrificed too much for the sake of industrial expansion. High tax rates form one unpleasant effect of the bonusing abuse.

There is a law on the Ontario statute book designed to check the industrial bonus evil, but it is commonly evaded, and when municipalities violate it they do not find it hard to get the Legislature to legalize their violations of it. A stop should be put to this practice. If the law were impartially enforced and no exceptions made, there would be less temptation on the part of municipal councils to offer bribes to industrial promoters to open plants in towns willing to pay for them.

Unhappily, it too often happens that the manufacturers who have to be subsidized to locate in a place must eventually be further subsidized to prevent them removing later to some town which holds out better inducements.—The Hamilton Herald.

STATEMENT OF THE OWNERSHIP, MANAGEMENT, CIRCULATION, ETC., REQUIRED BY THE ACT OF CONGRESS OF AUGUST 24, 1912.

OF BUILDING AND ENGINEERING NEWS, published weekly at San Francisco, Cal., for October 1st, 1919.

State of California, City and County of San Francisco, ss.

Before me, Chalmers Munday, a Notary Public, in and for the State and county aforesaid, personally appeared L. A. Larsen, who having been duly sworn according to law, deposes and says that he is the Owner of the Building and Engineering News.

Publisher, L. A. Larsen, 560 Mission St., San Francisco, Cal.

Editor, L. A. Larsen, 560 Mission St., San Francisco, Cal.

Managing Editor, L. A. Larsen, 560 Mission St., San Francisco, Cal.

Business Manager, L. A. Larsen, 560 Mission St., San Francisco.

Owner, L. A. Larsen, 560 Mission St., San Francisco, Cal.

That the known bondholders, mortgages, and other security holders owning or holding 1 per cent or more of total amount of bonds, mortgages, or other securities: None.

L. A. LARSEN, Owner.
Sworn to and subscribed before me this 11th day of October, 1919.

[SEAL] CHALMER MUNDAY,
Notary Public in and for the City and County of San Francisco, State of California.
(My commission expires Oct. 18, 1921)

ADVANCE NEWS

Official Proposals, Etc.

BUILDING.

APARTMENT HOUSES

Plans Being Prepared.

APARTMENTS Cost, \$75,000
FRESNO, Fresno Co., Cal. Van Ness and Summer Streets.
 Brick or concrete apartment house, 100x165.

Owner—G. Christopher, Care Bijou Theatre, Fresno.

Architects—Coates & Traver, Rowell Bldg., Fresno.

Plans Being Figured.

ADDITION Cost, \$15,000
SAN FRANCISCO. NW Ellis and Jones Streets.
 One-story brick addition to five-story brick apartments.

Owner—Dr. L. C. Mendell 415 Jones St., San Francisco.

Architect—Miss Grace Jewett, Room 814, 57 Post St., San Francisco.

Separate figures will be taken on plumbing, electric, work and heating.

Plans Being Prepared. Plans to be Figured Nov. 15, 1919.

APARTMENTS Cost, \$40,000
SAN FRANCISCO. Western Addition.
 Three-story reinforced concrete (12) apartments 2 and 3 room each.

Owner—Withheld.
 Manager of Construction and Designer—E. Blanckenberg, Room 707, 105 Montgomery St., San Francisco.

Plans Being Prepared.

APARTMENTS Cost, \$25,000
SAN FRANCISCO.
 Three-story and basement frame apartment house (5 room apts).

Owner—Withheld.
 Architect—Arthur S. Bugbee, 316 Sharon Bldg., San Francisco.

Contract Awarded.

ALTERATIONS Cost, \$—
SAN FRANCISCO. No. 1679 Haight St.
 Alter three-story frame building into stores and 3 large apartments.

Owner—Withheld.
 Architect—J. F. Dunn, Phelan Bldg., San Francisco.

Contractor—F. L. Hansen, 2000 Polk St., San Francisco.

Contract Awarded.

APARTMENTS, ETC. Cost, \$25,000
SAN FRANCISCO. Mason Street and Dikemann Place, bet. Ellis and O'Farrell Streets.

Three-story and basement Class "C" store and apartment house building.

Owner—Harvey M. Toy.
 Architect—W. H. Weeks, 75 Post St., San Francisco.

Contractor—Daniel R. Wagner, 224 Judah St., San Francisco.

Owner Taking Figures.

APARTMENTS Cost, \$—
PATTERSON, Stanislaus Co., Cal.
 Two-story brick store and apartment building, four stores and 4 4-room apartments.

Owner—J. H. Evans, Patterson, Cal.
 Architects—Reed & Corlett, Oakland
 Bank of Savings Bldg., Oakland.

BANKS

Plans to be Prepared.

BANK AND OFFICES Cost, \$100,000
HANFORD, Kings Co., Cal. Seventh and Douty Streets.

Six-story fireproof bank and offices.
 Owner—Farmers & Merchants Bank.

Judd Smith, Director, Hanford.
 Architect—Withheld until negotiations are completed.

Contract Awarded.

ALTERATIONS. Cost, \$100,000
YAKIMA, Wash.

Alterations for bank—3 vaults, rest rooms, fixtures, etc.

Owner—Yakima National Bank.
 Architect—Doyle & Merriman, Seattle National Bank Bldg., Seattle.

Contractor—Porter Bros., Spokane, Wash.

BONDS.

MADERA, Madera Co., Cal.—The \$100,000 bond election recently held carried by a large majority. Proceeds of the sale will finance the construction of a new high school building.

MODESTO, Stanislaus Co., Cal.—The City Council will shortly set a date for an election to vote bonds for the following improvements:

Aviation-Fair Grounds	\$5,000
Storm Sewers	75,000
Street Intersections	60,000
Septic Tank-Filter Beds	30,000
Street Equipment	15,000
Electrifier System	20,000
New City Park	15,000
Water Extensions and Wells	20,000
Sanitary Sewers	15,000

Total\$300,000

KLAMATH FALLS, Ore.—Bids will be received up to October 14th, by the Directors of the Enterprise Irrigation District, G. J. Hilliard, Secretary, for the purchase of \$40,000 in bonds with which to finance irrigation improvements.

CUPERTINO, Santa Clara Co., Cal.—A bond election to secure \$75,000 with which to erect a high school building is planned for November 12th by the Trustees of the Cupertino School District.

OROVILLE, Butte Co., Cal.—Resolutions asking the immediate calling of an election to vote bonds of \$1,800,000 with which to finance construction of a modern county highway system have been presented to the County Supervisors and it is believed that before the Board adjourns a date for the election will be set.

LONG BEACH, Los Angeles Co., Cal.—The Long Beach Board of Education has called an election for October 30 to vote on another issue of \$450,000

school bonds, of which \$150,000 is proposed to be expended on additions and remodeling at the Polytechnic High School; a new grammar school at Fourteenth and Linden and additions to other grammar schools are apportioned \$340,000.

ATASCADERO, San Luis Obispo Co., Cal.—The \$16,000 bond issue to finance construction of a new school building has been sold by the County Supervisors.

MODESTO, Stanislaus Co., Cal.—T. H. Kerwin offering a premium of \$25,000 secured the purchase of the \$5,750 worth of street improvement bonds, which will finance the paving of Stanislaus avenue.

LODI, San Joaquin Co., Cal.—Bids will be received by City Clerk H. S. Clark, up to November 3rd, 8 P. M., for the purchase of \$1,280.70 street improvement bonds.

CHURCHES

Plans to be Prepared. Funds Being Raised.

CHURCH Cost, \$100,000
ALAMEDA, Alameda Co., Cal.
 Brick or concrete church (to replace structure destroyed by fire.)

Owner—St. Joseph's Church. Rev. J. Bernard Praught, Pastor.
 Architect—Not Selected.

Low Bidder.

CHURCH Cost, \$24,000 approximately.

LOS ANGELES. 42nd and San Pedro Streets.

One-story and basement frame and plaster church.

Owner—First Brethren Church.
 Architect—C. E. Noerenberg, 601 Pacific Electric Bldg., Los Angeles.

Low Bidder—Alf Nelson, 137 E-27th St., Los Angeles.

Bids will be taken later for plumbing, wiring, heating, etc.

FACTORIES AND WAREHOUSES.

Contract Awarded.

LAUNDRY Cost, \$12,200
STOCKTON, San Joaquin Co., Cal. E North Eldorado, bet. Flora and Poplar Streets.

Two-story brick and frame laundry.

Owner—Parisian French Laundry, J. L. Bernadacou, 324 E-Fremont St., Stockton.

Architect—Not Given.

Contractor—O. H. Chain, Farmers & Merchants Bank Bldg., Stockton.

Plans to be Prepared.

CLEANING WORKS Cost, \$35,000
 including machinery, which is now being purchased.

FRESNO, Fresno Co., Cal. Southwest Voorman and "I" Streets.

Fireproof dry cleaning works.

Owner—Vapor Dry Cleaning Works. L. B. Bixler, President, 1237 "I" St., Fresno.

Architect—Not Yet Selected.

Plans to be Prepared.

PACKING PLANT Cost, \$—
REEDLEY, Fresno Co., Cal.
 Modern Packing Plant.
 Owner—Porterville Canning Co., Paul
 C. McAhee, President, Porterville.
 Architect—Not Yet Selected.
 Contract for the machinery has already
 been let to a San Jose concern.

Plans Being Prepared.
AUTO STORAGE BLDG. Cost, \$150,000
SPOKANE, Wash. Main St. near Audi-
 torium Bldg.
 Five-story and basement reinforced
 concrete, brick and terra cotta
 auto storage building (100x135).
 Owner—Arthur D. Jones & Co., Spo-
 kane, Wash.
 Architect—Rigg & Van Tyne, Empire
 State Bldg., Spokane, Wash.

Working Drawings Being Prepared.
FACTORY Cost, \$125,000
RICHMOND, Contra Costa Co., Cal.
 Three-story reinforced concrete ware-
 house factory.
 Owner—Company Organizing.
 Architect—F. S. Holland, 1629 Folsom
 St., San Francisco.

Contracts Awarded. Heating Figures
 Being Taken.

REPAIRS Cost, \$—
SAN FRANCISCO, SW Golden Gate &
 Octavia Street.

Repairs to four-story frame factory
 building. Lower floor automobile
 store and repair shop.

Owner—Eisenbach Co.
 Architect—A. H. Knoll, 1023 Hearst
 Bldg., San Francisco.

Plumbing awarded to J. J. McLeod,
 1246 Golden Gate Ave. at \$2500.

Glass, W. P. Fuller & Co., Beale and
 Streets, \$800.

Electric Work, Rosenberg, — Web-
 ster Street, \$2200.

Mill Work, Carpentry, Sheet Metal
and Plastering, Louis Fontenalla, 1920
 Pine St., day's work.

Elevator, San Francisco Elevator
 Co., \$1200.

Painting, John Metzner, Inc., 1273
 Fulton St., \$240.

Concrete, Patrick Hurley, 578 Eliza-
 beth St., \$500.

Marble, Julius Back Co., 1533 San
 Bruno Ave., \$800.

Fire Escapes, Western Iron Works,
 \$1400.

Western Glass Products Company,
 recently organized with a capital of
 one million dollars, has secured a ten-
 acre site at Torrance, Cal., on which it
 is proposed to erect a plant for the
 manufacture of glass products. The
 company owns the patent rights for
 the manufacture of reinforced or
 fabricated glass burial caskets made
 of molded glass. It will also manu-
 facture reinforced tombstones and
 bases of the same material. Cut-glass
 table and kitchenware will also form
 an important part of the industry.
 The company intends to extend its
 business to the Orient. It is expected
 the plant will be in operation by Janu-
 ary 1, 1921. H. S. Treece is president.

SACRAMENTO, Cal.—George C. Sher-
 man, Manager of the Capital Candy
 & Cracker Co., 810 Second St., Sacra-
 mento, announces that his firm is con-
 sidering plans for the re-building of
 its plant destroyed by fire recently.

The size, character of construction and
 other details cannot be given out at
 this time, according to Mr. Sherman.

FIRE HOUSES AND JAILS

Contract Awarded.
STORES Cost, \$20,000 Building
 Complete.

SAN FRANCISCO, N Bush 137-6 W
 Taylor Street.

One-story and basement brick stores.
 Owner—Paulina Schoenberg, 2010
 Pacific Ave., San Francisco.

Architect—Mel I. Schwartz, Nevada
 Bank Bldg., San Francisco.

General Contractor—Robinson & Gil-
 lespie, 1051 Sutter St., San Fran-
 cisco.

GARAGES

Contract Awarded.
GARAGE Cost, \$25,500
MADEIRA, Madera Co., Cal.

One-story brick and concrete garage,
 100x150.

Owner—N. Barsotti.
 Lessee—C. A. Chamberlain.

Architects—Swartz & Swartz, Rowell
 Bldg., Fresno.

Contractor—Robert W. Brown, Madera

Plans Being Figured.
GARAGE Cost, \$—
LOS ANGELES, Cal. Figueroa Street
 N of Pico.

Two-story and basement Class "A"
 Commercial garage, 100x150.

Owner—J. A. Graves.
 Lessee—Maxwell-Hoffman Co.

Architects—Morgan Walls & Morgan,
 124 Van Nuys Bldg., Los Angeles.

Plans Being Figured.
GARAGE Cost, \$—
LOS ANGELES, SE Eleventh and
 Flower Streets.

Three-story Class "A" garage building,
 150x155

Owner—Mrs. S. H. Van Nuys.
 Architects—Morgan Walls & Morgan,
 1124 Van Nuys Bldg., Los Angeles.

Plans Being Prepared.
GARAGE Cost, \$8,000
SAN FRANCISCO, Hoff Ave near 16th
 Street.

One-story reinforced concrete garage.
 Owner—Withheld.

Architect—Arthur S. Bugbee, 316
 Sharon Bldg., San Francisco.

Contract Awarded.
GARAGE, ETC. Cost, \$35,000
MODESTO, Stanislaus Co., Cal. Hig-
 ueroa Street.

Two-story reinforced concrete and
 steel garage, 116x75, and remodel
 adjoining building.

Owner—C. H. Kamm.
 Architect—None.

Contractor—Theo. Maino, Modesto.

Plans Being Refigured.
MACHINE SHOP. Cost, \$7,500
SAN FRANCISCO, E Sixth Street S of
 Bryant.

One-story concrete and frame machine
 shop building.

Owner—Withheld.

Architect—Henry C. Smith, Humboldt
 Bank Bldg., San Francisco.

GOVERNMENT WORK AND SUPPLIES

WASHINGTON, D. C.—The contract
 for the construction complete of the
 U. S. post office at Winnemucca, Nev.,
 has been awarded to Frank Gallagher,
 180 Jessie St., San Francisco, at \$41,-
 280. Time for completion, one year.

WASHINGTON, D. C.—The contract
 for renewing old floors in wards A. B
 and C, U. S. marine hospital, San
 Francisco, has been awarded to M. E.
 Vukljevich, 1442 Taraval St., San
 Francisco, at \$2,438. Time to complete,
 14 days.

WASHINGTON, D. C.—The follow-
 ing bids were received on September
 24 by the Public Works Officer, Puget
 Sound navy yard, Washington. Specifi-
 cation 4009, for constructing exten-
 sion to building No. 178 at the Puget
 Sound navy yard:

Item 1, work, complete; 2, furnishing
 and erecting all structural steel work;
 3, complete, except work under item 2;
 4, deduct from item 1 for omission of
 the mezzanine floor, steel stairs, and
 other materials and work which this
 omission would require.

Garrick & Garrick Co., item 2, \$35,-
 375, time 180 days; (4) \$34,200, alter-
 nates, \$38,375 and \$37,200, time 60 days.

A. W. Quist & Co., item 1, \$85,834.
 120 days, alternate, \$79,824, 180 days;
 (2) \$46,205, 90 days; (3) \$39,629, 120
 days; (4) \$1,400, 90 days.

WASHINGTON, D. C.—Plans for
 radio building and incidental work at
 the Puget Sound Navy Yard are near-
 ing completion in the offices of the
 Bureau and a call for bids will be
 issued shortly. This work is pro-
 vided for under Specification 4050.

WASHINGTON, D. C.—The Bureau
 of Yards and Docks, Navy Department,
 has awarded a contract to the Allis-
 Chalmers Mfg. Co., Milwaukee, Wis., at
 \$56,900 for installing a reciprocating
 air compressor at the Puget Sound
 Navy Yard. Shipment is to be made
 within 150 days. The contract is pro-
 vided for under specification 3837.

WASHINGTON, D. C.—The follow-
 ing bids were received on September
 25 at the bureau of yards and docks,
 Navy Department, specification 4030,
 for paving roads at San Diego:

W. E. Kier Construction Co., item 1,
 \$3,483; (2) add 16c and deduct 12c.

M. D. Goodbody, item 1, \$3,663.85, 20
 days; (2) 16c.

David H. Ricah, item 1, \$3,848; (2)
 17.55c.

WASHINGTON, D. C.—The bid of
 the Hawaiian Dredging Co. (Ltd.),
 Honolulu, H. T., \$57,225 in amount, has
 been accepted for dredging reserve
 channel, Honolulu Harbor, bids for
 which were opened August 26.

The contract for dredging main
 basin, Honolulu Harbor, H. T., bids for
 which were opened August 26, has been
 awarded to the Hawaiian Dredging
 Co., Honolulu, H. T., at \$140,790.
 (28707) 1st report July 19, 1919. E

HALL AND SOCIETY BUILDINGS.

Sketches Prepared. Working Drawings to be Started Immediately.
HOSPITAL BLDGS. Cost, \$60,000
NEVADA CITY. Nevada Co., Cal.
 County Hospital Grounds.
 Two-story reinforced concrete main building, and ward building for County Hospital Group.
 Owner—County of Nevada.
 Architect—Wm. Mooser, Nevada Bank Bldg., San Francisco.

Working Drawings Complete and Awaiting Approval.
HOSPITAL Cost, \$100,000
MADERA. Madera Co., Cal. County Hospital Site.
 Two-story granite and concrete county hospital building.
 Owner—County of Madera.
 Architect—E. Mathewson, Cory Bldg., Fresno.

PORTERVILLE. Tulare Co., Cal.—The Elks' lodge has decided to form a building association with \$75,000 capital to erect a clubhouse. The finance committee consists of A. J. Newbury, W. E. Sprout, V. D. Knupp and J. A. Ulmer.

SANTA BARBARA. Cal.—The new fire station on Chapala street will be erected by day work under the direction of W. B. Aldrich, City Building Inspector. Only one bid for erecting this building, from Sam Hunter, at \$21,200, was received and rejected. The plumbing will be let to John Dugan at \$1958, sheet metal work to Ott Hardware Co. at \$138.50, and electric wiring to Fred A. Downer Co. at \$550.

HOSPITALS

General Contract Awarded. Sub-Figures to be Taken in About Ten Days.
HOSPITAL Cost, \$50,000, approximately.
SAN FRANCISCO. Buena Vista and Park Hill Avenues.
 First unit of reinforced concrete hospital (boiler house and basement of main hospital building, which will be used for the male help.)
 Owner—St. Joseph's Hospital.
 Architect—Leo J. Devlin, Pacific Bldg., San Francisco.

Contractor—Ed. Zinkand & Son, 434 16th Ave., San Francisco.
 Sub-figures will be taken in about ten days for heating, plumbing, electric work, etc. The total cost of this building will be about \$85,000.

Sub-Figures and Material Figures to be Taken.
HOSPITAL Cost, \$—
OAKLAND. Alameda Co., Cal. Fruitvale Hills.
 First unit of reinforced concrete hospital.
 Owner—California Memorial Hospital, Menadnock Bldg., San Francisco.
 Architect—Carl Werner, Phelan Bldg., San Francisco.

Supervising Contractors—Onward Investment Co., Humboldt Bk. Bldg., San Francisco.

All figures for materials and contracts will be taken by Col. A. R. Faneus at Room 447 Menadnock Bldg., San Francisco.

Plans Completed.
HOTEL Cost, \$100,000
FRESNO. Fresno Co., Cal. SW Corner Kern and "I" Streets.
 Three-story and basement Class "B" (pressed brick and terra cotta) hotel and 8 stores, 100 rooms, 75 x150.
 Owner—W. J. O'Neill, Kern and "I" Sts., Fresno.
 Lessee—Mrs. L. Jones, Hotel Savoy, Fresno.
 Architect—Withheld.

Contract Awarded.
HOSPITAL Cost, \$90,200
VENTURA. Ventura Co., Cal. Class "A" County Hospital.
 Owner—Ventura County.
 Architect—Albert C. Martin, 430 Higgins Bldg., Los Angeles.
 Contractor—Edward C. English, 508-10 Citizens National Bank Bldg., Los Angeles.

HOTELS

Contract Awarded.
ALTERATIONS. Cost, \$4600
SAN FRANCISCO. 154 Ellis St. N side between Powell and Mason.
 Alterations to hotel. (New front, lobby, writing room, marble wainscot, mahogany trim, etc.)
 Owner—Hotel Statler, Premises.
 Architect—Henry C. Smith, Humboldt Bank Bldg., San Francisco.
 Contractor—Ruegg Bros., Pacific Bldg., San Francisco.

Ready for Figures in a Few Days.
HOTEL Cost, \$—
MERCED. Merced Co., Cal. "M" and 17th Streets.
 Two-story brick hotel building (75 rooms, 75 bathrooms.)
 Owner—Withheld.
 Architect—A. W. Cornelius, Merchants National Bank Bldg., S. F.

Plans Being Figured.
STORE & HOTEL Cost, \$—
BAY PONT. Contra Costa Co., Cal.
 Two-story frame and stucco store and hotel building.
 Owner—Turner Bros.
 Architect—A. W. Cornelius, Merchants National Bank Bldg., S. F.

LIBRARIES

Plans Being Prepared.
LIBRARY Cost, \$45,000
SAN FRANCISCO. W. Powell Street, bet. Washington and Jackson Sts.
 One-story reinforced concrete and brick library.
 Owner—S. F. Library Trustees.
 Architect—G. A. Lansburgh, 709 Mission St., San Francisco.
 Plans will be completed in November, when figures will be taken on both this job and the two-story concrete and brick library building on N Sacramento street, between Lyon and Baker streets, for which Mr. Lansburgh is also the architect.

PUBLIC BUILDINGS

Plans Approved. Bids to Be Called shortly.
OFFICE BLDG. Cost, \$600,000
OLYMPIA. Wash. State Capitol Grounds.
 Owner—State of Washington.

Architect—Wilder & White, New York, N. Y.

It is planned to have the structure ready for occupancy Jan. 1, 1921.

RESIDENCES.

Being Done by Days Labor.
BUNGALOW Cost, \$—
SAN MATEO. San Mateo Co., Cal.
 One-story frame bungalow.
 Owner—Wm. H. Toepke.
 Architect—Wm. H. Toepke, 942 Market St., San Francisco.

Plans Complete. Figures to be Called in About a Week.
RESIDENCE Cost, \$15,000
SAN FRANCISCO. Bush E. of Taylor.
 Two-story Class "A" residence for Fire Chief (10 rooms, operators' quarters and garage.)
 Owner—City and County of San Francisco.

Architect—John Reid Jr., 1st National Bank Bldg., San Francisco.

SAN FRANCISCO.—W. F. Wilson.
 328 Mason street, has been awarded the heating contract for the two-story and basement frame residence of B. F. Schlesinger at the northeast corner of Vallejo and Buchanan streets, for which Walter Sorensen of Berkeley is the general contractor.
 Clarence A. Tantau, Clunie Bldg., San Francisco, is the architect.

Plans Being Prepared.
COTTAGES Cost, \$—
OAKLAND. Cal. Vicinity of E-14th Street and 55th Avenue, 50 acre tract.
 About 200 one-story frame cottages (5 and 6 rooms each).
 Owner—Ruegg Bros. (Contractors), Pacific Bldg., San Francisco.
 Designers—Owners.
 Construction will start about the first of the year. The buildings will be put up in groups of about twenty at a time.

Plans Being Prepared.
RESIDENCE Cost, \$25,000
HILLSBOROUGH. San Mateo Co., Cal.
 Two-story frame residence and garage (15 rooms and 3 bathrooms).
 Owner—Withheld.
 Architect—Maybeck, Howard & White, Lick Bldg., San Francisco.

Plans Being Figured. Bids Close Nov. 3, 1919, 11 A. M.
NURSES' COTTAGE. ETC. Cost, \$—
SAN JOSE. Santa Clara Co., Cal. County Hospital Grounds.
 Nurses' cottage and isolation building for County Hospital.
 Owner—Santa Clara County.
 Architect—Chas. S. McKenzie, Bank of San Jose Bldg., San Jose.
 Plans may be had from Henry A. Pfister, County Clerk.

Completing Plans. To Take Segregated Figures in a Few Days.
ALTERATIONS Cost, \$—
SAN FRANCISCO. N Pacific Ave. W. Franklin Street.

Extensive alterations to a three-story frame residence (erect separate garage, paint exterior, plaster and paint interior, new shades, etc.)
 Owner—Withheld.
 Architect—Arthur G. Scholz, Phelan Bldg., San Francisco.

Contract Awarded. Contractor Taking Sub-Figures.
RESIDENCE Cost, \$24,000
MATEO, San Mateo Co., Cal.
 Two-story frame and plaster residence (12 rooms).
 Owner—W. C. Ditton.
 Architect—Lewis P. Hobart, Crocker Bldg., San Francisco.
 Contractor—W. C. Duncan Co., Sharon Bldg., San Francisco.

Plans Being Figured.
ITERATIONS Cost, \$—
AN FRANCISCO, No. 182 Thirty-second Avenue.
 Iterations to two-story frame and brick residence (concrete wine cellar, etc.).
 Owner—Mrs. Eliz M. Hirsch, Premises.
 Architect—Sidney B. Newsom, Nevada Bank Bldg., San Francisco.

Plans Being Prepared.
RESIDENCE Cost, \$25,000 to \$30,000.
EDMONT, Alameda Co., Cal. Crocker and La Salle Avenues.
 Two-story brick Colonial residence (11 rooms).
 Owner—C. C. Clay, Care Sherman & Clay.
 Architect—Sidney B. Newsom, Nevada Bank Bldg., San Francisco.

Contract Awarded on a Percentage Basis.
RESIDENCE Cost, \$20,000
HOLLYWOOD, Los Angeles Co., Cal. Whitley Heights
 Two-story and basement frame and plaster residence (8 rooms and 3 bathrooms).
 Owner—H. J. Whitley.
 Designer and Contractor—A. S. Barnes 1103 Story Bldg., Los Angeles.

To be Done by Days Labor. Sub-figures Being Taken.
BUNGALOWS Cost, \$3500 each
SAN FRANCISCO, Cortland Ave. and Santa Maria.
 Two one-story four-room frame bungalows.
 Owner—Mr. Gerdes.
 Contractor—Walter C. Falch, Hearst Bldg., San Francisco.

SCHOOLS

BRENTWOOD, Contra Costa Co., Cal.
 The following bids were received October 4th by Robert Wallace Jr., Clerk of the Liberty Union High School District, Brentwood, for the construction of a one-story concrete and frame high school building, from plans prepared by Architect Jas. T. Narbett of Richmond:

General Construction.

J. D. Hannah, San Francisco...\$63,795
 Unit Constr. Co., S. F..... 67,722
 Del Favero & Rasori, S. F..... 71,595
 P. R. Ward, S. F..... 72,949
 Peterson & Pierson, S. F..... 74,485
 Alfred H. Vogt, S. F..... 74,843

Plumbing.

John I. Collins (1) \$3272; (2) 210; (3) \$625 (low).
 Scott Co., \$ (1) \$3768; (2) —; (3) —.
 James & Drucker (1) \$3850; (2) \$200 (3) \$535.
 J. E. O'Mara (1) \$4325; (2) \$275; (3) \$200.
 A. Lettich (1) \$4640; (2) \$300; (3) \$275.

Heating and Ventilating.

Scott Co. (1) \$9698; (2) \$10,678.
 James A. Nelson (1) \$9989; (2) \$—
 W. K. Nottingham (1) \$10,488; (2) \$10,938.
 John I. Collins (1) \$11,403; (2) \$—.
 Carl Doell (1) \$12,429; (2) \$13,086.
 J. E. O'Mara (1) \$13,100; (2) \$13,700
 Kiernan & O'Brien (1) \$13,145.

Plans Being Figured. Bids Close Oct. 25, 1919, 8 P. M.

ADDITION Cost, \$—
SALINAS, Monterey Co., Cal. West End School.

Two-room addition and alterations to school.
 Owner—City of Salinas School District
 Architect—Ralph Wyckoff, 328½ Main St., Salinas.

Plans may be obtained from the County Superintendent of Schools at Salinas or at the architect's office.

OAKLAND, Cal.—Arrangements have been completed by the Board of Education for acquiring the site at Nineteenth avenue and East Seventeenth street for the proposed new double high school building and civic center planned in East Oakland.

An architect or architects will be selected in November for the schools to be erected under the new bond election which is to be voted October 21st.

Sketches Approved. Working Drawings Being Prepared.

SCHOOL Cost, \$200,000
SAN FRANCISCO, Broadway bet. Broderick and Baker Streets.
 Grant School (13 rooms, assembly hall, manual training and domestic science departments).
 Owner—City and County of San Francisco.

Architect—John Reid Jr., 1st National Bank Bldg., San Francisco.

Plans Being Figured. Bids Close Oct. 25, 1919, 7:30 P. M.

SCHOOL Cost, \$—
HERMOSA BEACH, Los Angeles Co., Cal.

Two-story brick school.
 Owner—Hermosa Beach School District.

Architect—Herbert C. Howard, 619 Broadway Central Bldg., Los Angeles.

Separate bids will be taken for the general contract, plumbing, electric wiring, heating and ventilating, electric fixtures, and painting.

Contractor Taking Sub-Figures.

SCHOOLS Cost, \$90,788
MERCED, Merced Co., Cal.

Three brick and concrete high school buildings.
 Owner—Merced Union High School District.

Architects—Allison & Allison, Hibernian Bldg., Los Angeles.
 General Contractor—E. E. Etherton, Mondanock Bldg., San Francisco.

Mr. Etherton is taking sub-figures for glazing, mill work, miscellaneous and ornamental iron and brick work. The following two contracts have been awarded: **Reinforcing steel** to W. B. Kyle Co., Call Bldg., San Francisco and the **terra cotta work** to The Los Angeles Pressed Brick Co., Frost Bldg., Los Angeles.

(Mr. Etherton's contract includes,

excavating, concrete, masonry, terra cotta work and all carpentry work.)

Plans Being Prepared.
ADDITIONS Cost, \$75,000

SANTA MONICA, Los Angeles Co., Cal.
 Adams, McKinley and Washington Schools.

Additions to three brick schools.
 Owner—Santa Monica School District.
 Architects—Allison & Allison, 1405 Hibernian Bldg., Los Angeles.

Contracts Awarded.
SCHOOL Cost, \$—

BRENTWOOD, Contra Costa Co., Cal.
 One-story concrete and frame school.
 Owner—Liberty Union High School District.

Architect—Jas. T. Narbett, Richmond.
General Construction, J. D. Hannah, 142 Sansome St., San Francisco, \$63,795
Plumbing to John I. Collins, 252 17th St., Richmond.

Heating and ventilating to Scott Co., 243 Minna St., San Francisco.

Contract Awarded
SCHOOL Cost, \$12,500

CORDUA, Yuba Co., Cal.
 One-story hollow tile school.
 Owner—Cordua School District.
 Architect—Chester Cole, Waterlunder Breslau Bldg., Chico.

Contractor—W. R. Campbell, Sacramento.

Plans Being Figured. Bids Close Oct. 18, 1919.

SCHOOL Cost, \$50,000
FRESNO, Fresno Co., Cal.
 One-story stucco grade school.
 Owner—Oil King School District.
 Architect—Ernest J. Kump, 207 Rowell Bldg., Fresno.
 W. L. Rector is Clerk of the Board.

Plans Completed.
SCHOOL Cost, \$84,000

FRESNO, Fresno Co., Cal.
 Washington School (8 rooms and shop)
 Owner—City of Fresno. J. R. Fontaine, Secretary Board of Education.

Architect—Eugene Mathewson, Cory Bldg., Fresno.

Bonds Voted. Working Drawings Completed and Approved.

SCHOOL Cost, \$100,000
MADERA, Madera Co., Cal.

Fireproof high school building.
 Owner—Madera Union High School District.
 Architects—Swartz & Swartz, Rowell Bldg., Fresno.

Sketches Approved. Figures to be Called About January 1st.

SCHOOL Cost, \$90,000
SAN FRANCISCO, Nineteenth Ave. & Irving (Jefferson School).
 Two-story frame and brick veneer school (16 classrooms.)

Owner—City and County of San Francisco.
 Architect—J. R. Miller, Lick Bldg., San Francisco.

Working Drawings Being Prepared.

Ready for Figures About January.
SCHOOL Cost, \$500,000
SAN FRANCISCO, Van Ness Avenue near Chestnut Street.
 Class "A" school (1500 pupils). Steel frame, brick exterior, concrete floor.

Owner—City and County of San Francisco.

Architect—John Reid Jr., 1st National Bank Bldg., San Francisco.

Plans Being Prepared. Ready for Figures in About Three Weeks.

SCHOOL Cost, \$80,000
SAN FRANCISCO. Harrison Street, bet. 10th and 11th Streets.

Two-story school (10 rooms) Type of construction not decided.

Owner—City and County of San Francisco.

Architect—John Reid Jr., 1st National Bank Bldg. San Francisco.

Plans Being Prepared.

ADDITION Cost, \$60,000
FRESNO, Fresno Co., Cal.

Addition to Longfellow School.

Owner—City of Fresno. J. R. Fontaine, Secretary Board of Education, Fresno.

Architects—Swartz & Swartz, Rowell Bldg., Fresno.

Figures Being Taken From Revised

Plans. Bids Close Oct. 18, 2 P. M.
SCHOOL Cost, \$10,000

ROSEDALE, Fresno Co., Cal.

Two-room school building, including library and toilets.

Owner—Rosedale School District.

Architect—Glass & Butner, Hearst Bldg., San Francisco, and Cory Bldg., Fresno.

Plans Being Figured. Bids Close Oct. 21, 1919, 7:30 P. M.

SCHOOL Cost, \$—
IMPERIAL, Imperial Co., Cal.

Grade school.

Owner—Imperial School District, D. C. Gale, Clerk.

Architect—Don W. Wells, El Centro.

Bids will be taken separately on the general work, plumbing, heating, painting and electric work.

Plans Being Figured. Bids Close Oct. 17, 1919.

TEACHERAGE Cost, \$—
EL CENTRO, Imperial Co., Cal.

Erect teacherage.

Owner—Jasper School District.

Architect—Don M. Wells, El Centro.

Bids will be received by the County Superintendent of Schools. E. B. Holt, Clerk at El Centro.

Plans Being Prepared.

ART BUILDING Cost, \$32,000
CHICO, Butte Co., Cal. State Normal School Grounds.

Art building.

Owner—State of California.

Architect—State Department of Engineering, Sacramento.

Plans Nearing Completion.

SCHOOL Cost, \$50,000
COQUILLE, Ore.

One-story hollow tile school.

Owner—Coquille School District.

Architect—Tourtelotte & Hummel, McKay Bldg., Portland, Ore.

Plans Being Prepared.

CHICO, Butte Co., Cal. Chico Normal School Grounds.

Alter museum quarters into social hall and alter basement for museum quarters, rest rooms, etc.

Owner—State of California.

Architect—State Department of Engineering, Sacramento.

ALAMEDA, Cal.—The following bids were received by the Alameda Board of Education on October 7th for an addition and finishing of community rooms, etc., at the Washington School, a two-story brick structure. Plans were prepared by Architect Henry H. Meyers, Kohl Bldg., San Francisco. Bids were taken under advisement.

General Contract.

W. G. Thornally, 3027 E-16th St., Oakland, \$9,462.

Jas. H. Pedgrift, Oakland, \$11,512.

Plumbing.

Thos. R. Capping, Alameda...\$2,299

Frederick W. Snook, S. F....2,340

Carl T. Doell, Oakland....2,375

J. E. O'Mara, S. F.....2,525

Scott Co., S. F.....2,781

A. Lettich, S. F.....2,942

BRENTWOOD, Contra Costa Co., Cal.—J. D. Hannah, 142 Sansome St., San Francisco, submitted the lowest bid at \$74,260 for the construction of a one-story concrete and frame high school building for the Liberty Union High School District from plans prepared by Architect Jas. T. Narbett of Richmond.

The Unit Construction Co. of San Francisco, submitted the next lowest bid at \$78,060. A complete list of bids will be published later.

SAN RAFAEL, Marin Co., Cal.—The Roman Catholic Archbishop, 1100 Franklin street, San Francisco, plans the erection of a seminary in San Rafael on property already acquired. A building costing \$250,000 is planned.

From the residence of the Archbishop it is learned that while construction of the building is planned no work will be commenced at this time, nor has an architect for the work been selected.

MODESTO, Stanislaus Co., Cal.—The City Board of Education has awarded a contract to C. F. Weber Co., 985 Market street, San Francisco, for furnishing and installing 200 metal lockers on its bid of \$1,150 in the high school building.

STORES AND OFFICES

Plans Being Prepared.

ALTERATIONS Cost, \$20,000
SAN FRANCISCO. SE Sixth & Market Streets.

Alter second floor of Hewes Building (marble work, bronze and mahogany fixtures, etc.) for offices (bank style).

Owner—Western States Life Insurance Company.

Architect—Reid Bros., 105 Montgomery St., San Francisco.

Plans Being Prepared.

MARKET BUILDING Cost, \$—
SAN FRANCISCO. Clement Street.

One-story frame market building.

Owner—Withheld.

Architect—C. Fantoni, 650 Montgomery St., San Francisco.

Plans Being Prepared.

AUTO SALES BLDG. Cost, \$—
SAN FRANCISCO. SW Van Ness Ave. and Jackson Street.

Two-story reinforced concrete auto sales building.

Owner—E. L. Hueter, Flatiron Bldg., San Francisco.

Designers—Clinton Construction Co. 140 Townsend St., San Francisco.

Ready for Figures Next Week.

STORE & LOFTS Cost, \$—
SAN FRANCISCO. California Street near Front Street.

Two-story and basement fireproof store and loft building.

Owner—Walter Sullivan, 129 Sutter St., San Francisco.

Architect—Leo J. Devlin, Pacific Bldg., San Francisco.

A contract will be signed this week for grading the lot.

Plans to be Prepared.

ADDITION Cost, \$—
SAN FRANCISCO. SE Front and California Streets.

Three-story addition to two-story Class "A" store and office building.

Owner—Walter Sullivan and Julius Eisenbach, 129 Sutter St., San Francisco.

Architect—Not Selected.

Plans Being Figured.

STORE Cost, \$—
FRESNO, Fresno Co., Cal. North "H" Street.

One-story brick or concrete store.

Owner—James Porteus, 1095 North Van Ness Ave., Fresno.

Architect—Eugene Mathewson, Cory Bldg., Fresno.

Contract Awarded. Sub-Figures to be Taken.

OFFICE, ETC. Cost, \$100,000
EMERYVILLE, Alameda Co., Cal.

Harlan and Park Streets.

Two-story Class "C" office and cafeteria building.

Owner—Western Canning Co., Prem.

Architect—Geo. Wm. Kelham, Sharon Bldg., San Francisco.

Contractor—P. J. Walker Co., Monadnock Bldg., San Francisco.

Work will start next week.

Plans Being Prepared.

ALTERATIONS Cost, \$5,000
FRESNO, Fresno Co., Cal. Van Ness and Amador Streets.

Alterations and additions for undertaking parlors and chapel.

Owner—Lisle & Ross, "K" and Tuolumne Sts., Fresno.

Architects—Swartz & Swartz, Rowell Bldg., Fresno.

Contract Awarded.

ALTERATIONS Cost, \$—
SAN FRANCISCO. Nos. 37-39 Stockton Street.

Alter three-story store building (install new glass front, store fixtures, etc.)

Owner—California Credit Clothing Co., Premises.

Architect—Bernard J. Joseph, New Call Bldg., San Francisco.

Contractor—J. Harold Johnson. 180 Jessie St., San Francisco.

Changing Plans.

DECORATING Cost, \$—
SAN FRANCISCO. No. 168 O'Farrell.

Interior decorating for cafe.

Owner—John Tait, Premises.

Architects—Vard & Blohne, Alaska Commercial Bldg., San Francisco.

Steel Figures to be Taken Next Week.

OFFICE BUILDING Cost, \$100,000
SAN FRANCISCO. N Pine Street, bet.

Front and Davis, W of Oceanic Building.
Two-story and basement Class "A" office building (frame to be strong enough for 6 additional stories) 87½ foot frontage.
Owner—Ames-Harris Neville Co., 100 Potrero Ave., San Francisco.
Architect—J. R. Miller, Lick Bldg., San Francisco.
The entire first floor will be used for offices of the owners.

Revised Plans Prepared. Contract Awarded.
AUTO SALESROOMS. Cost, \$40,000
SEATTLE, Wash. Hubble Way and Pike street.
Two-story concrete and terra Cotta auto salesrooms.
Owner—T. C. McHugh.
Architect and Contractor—Seattle Building Co., Smith Bldg., Seattle, Wash.

Plans Being Prepared. Contract Awarded.
STORES. Cost, \$17,000
PORTLAND, Ore. SE Gilsan and Broadway.
One-story and basement brick and concrete stores (40x100).
Owner—Name withheld.
Architect—Chas. W. Ertz, Pittcock Block, Portland, Ore.
Contractor—Ertz & Wegman, Pittcock Block, Portland, Ore.

Contract Awarded.
STORES. Cost, \$19,000
PORTLAND, Ore. Broadway and Flanders.
One-story brick stores (90x100).
Owner—The Stone Estate.
Architect—Chas. W. Ertz, Pittcock Block, Portland.
Contractor—Ertz & Wegman, Pittcock Block, Portland.
Sub-contracts have been let as follows: J. K. Flynn, brick work; Gunther-King Co., roofing and sheet metal work; W. G. Mannon, plaster; De Temple Co., plumbing; Davidson Electric Co., electric work.

Contract Awarded.
STORES. Cost, \$20,000
PORTLAND, Ore. Sixth and Gilsan.
One-story brick stores (100x100).
Owner—Chas. Siglin.
Architect—Chas. W. Ertz, Pittcock Block, Portland.
Contractor—Ertz & Wegman, Pittcock Block, Portland.

Contract Awarded.
STORES. Cost, \$125,000
SEATTLE, Wash. NE 2nd avenue and Marion street.
Two-story and basement concrete stores (108x120).
Owner—Boyle Estate.
Architect—John Graham, Green Bldg., Seattle, Wash.
Contractor—C. C. Cowsey, Seattle, Wash.

VALLEJO, Solano Co., Cal.—The erection of a modern office building in the Georgia street adjoining the St. Vincent Hotel is planned by the Vallejo Electric Light & Power Company, according to the manager of the company, Albert Casper, 428 Georgia St., Vallejo.
Preliminary plans for the building are now in the hands of the owners.

It is planned to erect a three-story building of fireproof construction.
The name of the architect is withheld for the present until a decision is reached with the preliminary drawings.

Superintendent to Take Sub-figures.
GARAGE, ETC. Cost, \$20,000
HAYWARD, Alameda Co., Cal. SE "A" and Main Streets.
Two-story reinforced concrete garage and auto sales rooms (Chevrolet Motor Car Co.)
Owner—Mrs. Armstrong, Hayward.
Architect—Sidney H. Newsom, Nevada Bank Bldg., San Francisco.
Superintendent—R. F. Buckman, 329 Castro St., Hayward.
Plans will be completed in about a week.

Segregated Figures Being Taken.
STORES. Cost, \$25,000
SAN FRANCISCO. S Post 210 E Larkin Street.
One-story and basement brick stores, 65x89.
Owner—Jackson R. Myers.
Architect—Earle B. Bertz, 68 Post St., San Francisco.

Grading and Brick Work and Carpentry Contracts Awarded.
STORES. Cost, \$10,000 Building Complete.
SAN FRANCISCO. N Post 70 W Leavenworth Street.
One-story brick stores, 40x60.
Owner—Paulina Schoenberg, 2010 Pacific Ave., San Francisco.
Architect—Mel I. Schwartz, Nevada Bank Bldg., San Francisco.
Brick work and grading awarded to Harry Drake.
Carpentry Work to Robinson & Gillespie, 1051 Sutter St., San Francisco.

THEATRES

Plans Being Figured.
THEATRE. Cost, \$100,000
MODESTO, Stanislaus Co., Cal.
One-story and balcony Class "A" theatre (1800 seating capacity).
Owner—San Francisco Men.
Architects—Reid Bros., 105 Montgomery St., San Francisco.
Figures will be taken for a general contract also separate contracts.

Plans Being Prepared.
THEATRE. Cost, \$30,000
SANTA MONICA, Los Angeles Co., Cal.
Brick and concrete open air theatre.
Owner—Santa Monica High School District.
Architects—Allison & Allison, 1405 Hibernal Bldg., Los Angeles.

ENGINEERING

BRIDGES, DAMS & HARBOR WORK

NEWPORT BEACH, Orange Co., Cal.—The Pacific Electric and Southern Pacific Railroad companies have arranged with the Orange County Harbor Commission to build a joint bridge over the new mouth of the Santa Ana River. The bridge will consist of three 60-foot steel spans with reinforced concrete piers and pile trestle

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New and re-nerved screw casing and standard pipe for every requirement; tested and guaranteed for 150 pounds working pressure; dipped in hot asphaltum to prevent corrosion. Extensively used by orchardists and farmers, water-works, mines, etc.

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Fittings and valves for every purpose; special fittings made to order. Tell us today what your requirements are; let us save you money.

PACIFIC PIPE CO.,
231 Howard St. San Francisco

approaches. The county will pay \$20,000 on the cost of the structure.

SACRAMENTO, Cal.—The State Department of Engineering has awarded a contract to the Linscott Drilling Co., Balboa Bldg., San Francisco, for drilling a well at the Chico Normal School. The contract price runs in the neighborhood of \$10,000.

SACRAMENTO, Cal.—Major Paul M. Norhoe, Assistant State Engineer, states that a final report regarding the approximate cost and other features concerning the proposed Sacramento ship canal will be ready before the end of the year.

County Clerk H. G. Kuhn will receive bids up to October 24th, 10 A. M., for the construction of a reinforced concrete bridge across Hooker Creek. In Supervisor District No. 1, and a steel girder bridge across Dry Creek, near the Alford place, in Supervisor District No. 1.

SAN JOSE, Santa Clara Co., Cal.—County Clerk Henry Pfister will receive bids up to November 3rd, 11 A. M., for the construction of bridges as follows:

Concrete bridge on Hillsdale avenue in Supervisor District No. 4. Concrete bridge on Bubb road at Hanrahan's place in Supervisor District No. 5.

Separate bids will be opened on the same date for the construction of a reinforced concrete bridge over Oat Creek, near the Brophy place, in Supervisor District Nos. 2 and a reinforced concrete bridge over Cold Fork of Cottonwood in Supervisor District No. 2. Bidders must state the amount for each bid separately.
(30593) 1st report July 19, 1919. E

RED BLUFF, Tehama Co., Cal.—Bids received by the County Supervisors for the construction of the Eliza Creek and Brush Creek bridges shows

Chas. E. McCartney low at \$10,722 and he was awarded the contract. Other bids were:

Boardwell & Zimmerman.....\$11,822
Geo. G. Pollock Co.....14,944
Engineer's Estimate, \$12,200.

Bids submitted for the balance of the structures were rejected. They were as follows:

Capay Rancho Bridges. Engineer's Estimate, \$9,000.

Geo. G. Pollock Co.....\$18,222
Boardwell & Zimmerman.....12,000
Teal & Thompson.....13,300

Work on these structures was ordered done by day labor.

Thomas Creek Bridge. Engineer's Estimate, \$80,000.

Ross Construction Co.....\$136,000
Geo. G. Pollock Co.....129,640

Dry Creek Bridge. Engineer's Estimate, \$5,000.

Edw. H. Smith.....\$17,984
Geo. G. Pollock Co.....15,640
Ross Construction Co.....15,974

Widenig and Repairing Coyote Creek Bridge. Engineer's Estimate \$1,000

Chas. E. McCartney.....\$6,100

Plans for the above bridges were prepared by Engineers Weeks & Day, Phelan Bldg., San Francisco.

RED BLUFF, Tehama Co., Cal.—The Supervisors have awarded a contract to Engineers Weeks & Day, Phelan Bldg., San Francisco, to prepare plans for a bridge across McCarty Creek, near Paskenta, they being low bidders at 3 per cent. The structure will be about 90 feet long.

OAKLAND, Cal.—Commissioner of Public Works Frederick Soderberg, has announced that he will submit a proposal to the City Council asking that bonds of \$460,000 be provided for in the election to be held October 24th with which to finance construction of harbor improvements.

BONANZA, Ore.—Bids are being received by The Horsey Irrigation District of Klamath County, Ore., J. C. Paddock, Secretary, Bonanza, Ore., for the purchase of \$50,000 in bonds with which to finance improvements of the present irrigation system.

EUREKA, Humboldt Co., Cal.—A recommendation from the Board of Health for the construction of a sewer near the intersection of Sixth and Seventh streets and Myrtle avenue has been referred to a committee of the City Council for report as was a petition asking the construction of a storm sewer in L street.

SAN FRANCISCO.—City Engineer M. M. O'Shaughnessy is completing plans and specifications for the construction of a concrete bulkhead and retaining wall on Army street between Evans avenue and Iowa street. The work is estimated to cost \$50,000. A call for bids will be issued on completion of the plans.

SAN ANDREAS, Calaveras Co., Cal.—A. S. Dixon, Jenny Lind, Cal., has been awarded a contract by the County Supervisors for the construction of a reinforced concrete bridge at O'Neill's Crossing on the Bellota-Valley Springs Road, he being the only bidder at \$3,285.36.

The contract for the reconstruction of the so-called Donnalain bridge on the highway between San Andreas and Mokelumne Hill was awarded to the only bidder, M. J. Hertzog of San Andreas at \$1,696.40, the lumber to be furnished by the county. A. W. Poe is County Clerk.

SAN FRANCISCO.—The Board of Public Works has approved plans for fender piling for the Third street bridge over the channel waterway and has requested the Supervisors to pass an ordinance authorizing the call of bids. The work will cost \$8,500.

YUBA CITY, Sutter Co., Cal.—Henry S. Maddox of the Sutter Basin Company has agreed to construct five timber bridges on the property of the Basin Company at a cost of \$2,400 each.

The plans have been approved by the County Engineer and on completion the structures will be taken over by the County.

MODESTO, Stanislaus Co., Cal.—The County Supervisors have awarded a contract to the Cotton Macaulay Co., 16 California St., San Francisco, for the construction of nineteen reinforced concrete bridges in various parts of the county, they being low bidders at \$61,294.

The bid submitted for the Dry Creek bridge on the Waterford-Passell was rejected by the Supervisors at it was decided to postpone construction.

BOISE, Idaho.—The United States Bridge Co., Great Falls, Montana, has been awarded the contract for the construction of the Homedale bridge at \$39,994, by the State of Idaho.

The structure will be of steel construction of four spans resting upon concrete piers. Each span will be 162 feet and 6 inches in length and will support an 18-foot roadway floored with bituminous pavement.

SAN JOSE, Santa Clara Co., Cal.—The Supervisors have awarded a contract to J. H. Miller at \$9,885 for the construction of a reinforced concrete bridge on Edmuns avenue in Supervisor District No. 1. Other bids were:

E. Nommensen\$10,950
Chas. Haggans11,737
Wm. Martin10,690
Surveyor's Estimate, \$10,950.
Henry Pfister is County Clerk.

LOS ANGELES, Cal.—The Ross Construction Co., of Sacramento, and San Diego, submitted the lowest bid at \$29,863 for the construction of two reinforced concrete bridges on Brand Blvd., over Verdugo wash. Other bids received by the Board of Supervisors were: Mercereau Bridge & Construction Co., \$29,900; John Simpson Co., \$34,226, and Hunter & Watson, \$45,630. All bids were referred to the Road Department. The bridges will each be 24 feet wide and 90 feet long, girder type, consisting of three spans with concrete piers and abutments. They will carry the roadway on either side of the Pacific Electric right of way on which the railroad company has also agreed to build a concrete bridge. The plans were prepared in the County Road Department. The bridges are

being built in connection with the county flood control work.

MADERA, Madera Co., Cal.—T County Engineer has been instructed to prepare estimates of cost for wooden bridge and a concrete bridge over the Fresno River at Hensel crossing.

UKIAH, Mendocino Co., Cal.—T County Supervisors have asked the State Highway Commission to take charge of the work of designing and building four bridges needed on the convict-constructed highway between Arnold and Cummings.

REDWOOD CITY, San Mateo Co., Cal.—County Engineer Kneese has been instructed to prepare plans and specifications for deepening the tunnel in connection with work planned at the mouth of Pescadero Creek.

REDWOOD CITY, San Mateo Co., Cal.—Bids will be received by Count Clerk Elizabeth M. Nash, up to November 3rd, 10 A. M., for the construction of a fill and retaining wall near Christen's Ranch, in the 1st Road District.

Separate bids will be opened on the same date for the construction of reinforced concrete culvert near the Chinese cemetery in the First Road District.

Plans may be had from the County Clerk at Redwood City.

IRRIGATION WORK

CHICO, Butte Co., Cal.—The proposed irrigation district which will embrace more than 180,000 acres of land along Butte Creek in Butte, Colusa, Sutter and Glenn Counties, is meeting with much success. Headquarters of the District have been opened in Chico and immediate formation is assured.

The system will cost about \$85,000 according to present estimates, and plans call for an enlargement of the channel of Butte Creek to drain the vast acreage of land irrigated for rice and other crops and settle for all time the drainage problem which has been in litigation five or six years.

LIGHTING SYSTEMS

SAN BERNARDINO, Cal.—City Engineer W. L. Brown has been instructed by the City Council to prepare plans and specifications for an ornamental lighting system on Third St. Marbelite posts will be used, about 12 being placed in each block.

YUBA CITY, Sutter Co., Cal.—The Supervisors have sold \$80,000 worth of county highway bonds out of the recently voted \$810,000 issue.

OAKLAND, Alameda Co., Cal.—Bids will be received by Lloyd D. Barzoo, Secretary of the Oakland High School District, Room 1101, City Hall, up to October 20th, 4:30 P. M., for furnishing incandescent lamps.

MACHINERY

SACRAMENTO, Cal.—October 16th, 11 A. M. is the date set by City Clerk M. J. Desmond for receiving bids for furnishing and delivering to the City of Sacramento a street planer and scarifier, weight of machine to be not less than 6,000 lbs., wheel base to be not less than 17 feet, rear wheels to be not less than 46 inches diameter, 4 inch steel tire with 22 spokes. Front wheels to be not less than 32 inches in diameter, 3½ inch steel tire with 14 spokes, all equipped with long wrought steel hubs. Frame to be not less than 6 inch heavy I Beam. Planer attachment to have not less than 30 high grade steel teeth. Blade to be not less than 7 feet in length, and to be made of high carbon steel, for both Mouldboard and Cutting Bit.

SAN FRANCISCO.—The Board of Public Works has accepted the offer of the Aills Chalmers Mfg. Co., for furnishing and delivering for use on the Hetch Hetchy project on No. 6 Style "K" Gates Gyratory Crusher at \$4,565.

MODESTO, Stanislaus Co., Cal.—The County Surveyor has been authorized by the County Supervisors to purchase a concrete mixer at a cost of \$1,000. H. Benson is County Clerk.

COLUSA, Colusa Co., Cal.—The City Trustees have appointed Trustee G. W. Moore to purchase additional casings to be used in connection with the municipal well which is now being bored.

SEWERS, STREET WORK,
ROADS AND WATER
SYSTEMS

OAKLAND, Cal.—The City Council, L. W. Cummings, City Clerk, has awarded a contract to the Ransome-Randle Co., 28th and Poplar streets, for the improvement of 8th street from the west line of Clay to the east line of Market street, by grading, constructing concrete curbs and brick gutters, resetting granite curbs, installing catchbasins, pipe conduit and the laying of an asphalt pavement.

The improvement of Brompton Avenue between Bosworth Street and Joost Avenue, by the construction of a vitrified brick pavement and an asphalt pavement.

Awarded to Ralsch Improvement Co., 46 Kearny St. Contract price, \$3734.11.

SAN JOSE, Santa Clara Co., Cal.—The Supervisors have rejected bids submitted for the improvement of Bascom avenue in Supervisor District No. 4, and the work has been ordered done under the supervision of the County Engineer. The bids were:

Bos & O'Brien.....	\$11,837
John F. Adams.....	11,000
C. H. Ellison.....	11,250
Surveyor's Estimate,	\$10,285.
Henry Pfister is Souty Clerk.	

SACRAMENTO, Cal.—The following bids were received October 6th by the

State Highway Commission for highway improvement in two counties:

Humboldt County, between Beatrice and Eureka (I-Hum-1-G), about 74 miles in length to be paved with Portland cement concrete.

Merced-Fraser Co., Eureka, \$149,956.10

Engineer's Estimate, \$94,754.30.

Siskiyou County, between Weed and Southerly Boundary (II-Sis-3-A), about 18.2 miles in length to be paved with Portland cement concrete.

F. Rolandi, 550 Montgomery St.

San Francisco.....\$207,820

Engineer's Estimate, \$145,705.

NAPA, Napa Co., Cal.—The Supervisors, James A. Daly, County Clerk, has adopted plans and specifications for additional work on the concrete crossing of Putah Creek, near the Berryessa Cattle Company House, and have awarded a contract to Frank Gaggero of Napa to do the work.

MARTINEZ, Contra Costa Co., Cal.—The City Trustees, C. E. Daley, City Clerk, have passed resolution of intention No. 112B providing for the improvement of Ferry, Mill, Mason, Estudillo, Smith, Castro, Howard, Escobar, Main, Green, Thompson, Mellus, Henrietta, Susanan and Jones streets, and the intersections thereof by grading, curbing, paving, sewerage, draining, etc., including the construction of culverts.

Further information regarding this work may be had from City Clerk Daley.

STOCKTON, San Joaquin Co., Cal.—The City Council has rescinded its action in providing for the improvement of South street and a new resolution providing for the improvement of that thoroughfare from East to Pilgrim street will probably be drawn.

EUREKA, Humboldt Co., Cal.—The City Council has accepted the bid of the Worswick Paving Co., of Fresno, at 16 cents per square foot for the construction of 400 feet of pavement 9 feet wide in Highway avenue fronting city property. The only other bidder was Elsemore & Jacobs at 17¼ cents per foot.

SAN FRANCISCO.—Bids will be called for within the next few days by the Board of Public Works for the construction of a reinforced concrete sewer in the Presidio Reservation from Locust street northeasterly.

MERCED, Merced Co., Cal.—Bids will be received by J. D. Wood, City Clerk, up to October 20th, 8 P. M., for the improvement of the alley in Block 187, by grading; constructing concrete curbs and paving with a 4-inch hydraulic cement concrete base. Bids will be opened on the same date for the improvement of the alleys in Blocks 143 and 165 by grading; construction of concrete curbs and paving with a 4-inch hydraulic cement concrete base.

Plans may be had from the City Clerk at Merced.

SACRAMENTO, Cal.—The City Commissioners, M. J. Desmond, City Clerk, have awarded contracts for street improvements to the McGillivray Con-

struction Co., Capitol National Bank Bldg., Sacramento, as follows:

Improvement of X street from the east line of Tenth to the east line of Twentieth, excepting certain intersections, by construction of concrete curbs and gutters; concrete sidewalks 4 concrete manholes with cast iron curbs and covers; placing 13 cast iron gutter drains and connecting same to sewer with 6 inch vitrified ironstone sewer pipe; constructing 8-inch vitrified ironstone sewer; grading; constructing concrete foundation, 4 inches thick with a bitulithic wearing surface 1½ inches thick.

OAKLAND, Cal.—The City Council, L. W. Cummings, City Clerk, has awarded a contract to Bates & Bordan, Oakland Bank of Savings Bldg., Oakland, for the improvement of Octavia street from the southwest line of Penniman avenue to the northeast line of Allendale avenue by grading, constructing concrete gutters, redwood curbs and paving with an oil macadam pavement and the construction of cement concrete sidewalks, 6 feet wide, on the following bid:

Per cubic yard of earth excavation, \$1.00.

Per linear foot of redwood curb, 21c.

Per square foot of concrete gutter, 25c.

Per square foot of oil-macadam pavement, .135.

Per square foot of cement sidewalk, 17c.

MODESTO, Stanislaus Co., Cal.—The City Council has passed resolution of intention No. 496 N. S. providing for the improvement of Modesto avenue from the east line of McHenry avenue to the west line of Judson street by grading, constructing a 4-inch Portland cement concrete base with a 1½ bitulithic wearing surface, cement concrete curbs and gutters. W. O. Thomson is City Clerk.

MODESTO, Stanislaus Co., Cal.—Bids will be received up to October 22nd, 7:30 P. M., by Kathleen G. Prewett, Clerk of the Modesto High School District for the construction of concrete sidewalks at the Modesto High School.

SACRAMENTO, Cal.—The City Commissioners have passed resolution of intention No. 1470 providing for the improvement of the alley between 38th and 39th streets from P street to a point 670 feet southerly, by constructing 8 inch vitrified ironstone pipe sewer with 26 6-inch wye branches and one 6-inch vitrified ironstone flusher branch, constructing one concrete manhole with cast iron curb and cover and backfilling the trench. M. J. Desmond is City Clerk.

REDWOOD CITY, San Mateo Co., Cal.—Blanchard, Crocker & Howell, 58 Second Street, San Francisco, submitted the only bid at \$9265.55 for improving Webster street from Main to Washington by macadamizing and constructing cement sidewalks. The bid was taken under advisement.

MARTINEZ, Contra Costa Co., Cal.—O'Brien Bros. of Martinez have been awarded a contract by the County Su-

supervisors for the construction of 4,000 feet of highway on Wills avenue in Pittsburgh at \$4,250. Other bidders were
 Bressé & Bergund.....\$5,400
 A. J. Grier.....5,790
 G. W. Cushing.....5,450

LOS ANGELES, Cal.—Los Angeles Paving Co., 2908 Santa Fe avenue, was awarded the contract at \$30,531.78 for grading and paving Broadway between Tenth and Pico streets, involving 37,050 sq. ft. grading, 37,050 sq. ft. bitulithio paving, 6240 sq. ft. asphalt paving, including grading, 2150 lin. ft. cement curb, 30,385 sq. ft. cement sidewalk, 1833 sq. ft. concrete gutter and 187 sq. ft. granite block gutter. Other bids were: Bryant & Austin, Inc., \$30,720.02; Fairchild-Gilmore-Wilton Co., \$30,941.73.

SACRAMENTO, Cal.—Bids will be received by the County Supervisors up to October 24th, 2 P. M., for the construction of 5½ miles of highway between Ileton and the Rio Vista bridge

SANTA CRUZ, Santa Cruz Co., Cal.—Bids will be received by the County Supervisors up to October 22nd, for the completion of the Santa Cruz-Souquel road. The work will cover about 2½ miles.

Plans may be had from the County Clerk at Santa Cruz.

LOS ANGELES, Cal.—The following bids were received by the Board of Public Works for grading and paving with 5 inches of concrete about 2600 lineal feet of Coast Blvd., near El Segundo:

Wm. Liddington—12,312 lump sum grading; 20c sq. ft. concrete paving.
 W. D. McCray—\$14,709 lump sum grading; 23½c sq. ft. paving.
 Chas. T. Salata—\$17,000 lump sum grading; 26c sq. ft. paving.

LOS ANGELES, Cal.—A plan for dividing the cost of constructing the harbor truck highway has been suggested by the Board of Supervisors as a result of a conference with city officials. The completion of the road will cost \$628,450, divided as follows: In Vernon, \$42,009; in Compton, \$56,900; in Wilmington, \$71,500; between Vernon and Compton, \$149,000; between Compton and Wilmington, \$309,500. It was recommended that Los Angeles pay for the road in Wilmington, the county to take up with Vernon and Compton the amount of county aid they will need. Two road improvement districts will be formed in the intervening territory.

SANTA ANA, Orange Co., Cal.—A proposition to form a road improvement district in the Third Supervisorial District, Orange County, to construct 40 to 50 miles of paved road is being considered, and Supervisor Wm. Schumacher has discussed the matter with the Board of Supervisors. A bond issue of at least \$750,000 would be required for 50 miles of road, according to estimates.

MODESTO, Stanislaus Co., Cal.—The City Council has awarded a contract to the Standard Paving Co. for the paving of intersections of Downey avenue on its bid of 18½ cents per square foot.

J. H. Richards was awarded the contract for the construction of concrete sidewalk in Sixth street at 17 cents per square foot.

SAN RAFAEL, Marin Co., Cal.—Consideration is being given by the County Supervisors of the formation of a road district to secure \$150,000 under a bond issue, with which to finance the widening and improvement of the Manzanita, Willow Camp and Bolinas Coast roads. Rob E. Graham is County Clerk.

RAILROADS

SAN FRANCISCO.—The Board of Public Works has awarded a contract to the U. S. Steel Products Co., Rialto Bldg., San Francisco, for furnishing and delivering the plates for use on the Hetch Hetchy project. A request has been made of the Supervisors to appropriate \$4,625.50 to cover the cost of the contract.

FIRE EQUIPMENT.

BENICIA, Solano Co., Cal.—The City Trustees have awarded a contract to the Republic Rubber Co. of Calif., 185 Second St., San Francisco, for furnishing and delivering 600 feet of 2½ inch Tower Brand Hose at \$1.15 per foot.

Other bidders were:
 C. C. Fire Hose Co., Canton Junction, Mass., \$1.20 per foot.
 Br-Lateral Fire Hose Co., Chicago, Ill., \$1.40 per foot.
 United States Rubber Co., San Francisco, \$1.25 per foot.
 American Rubber Mfg. Co. of California, \$1.20 and \$1.10 per foot.

LIVERMORE, Alameda Co., Cal.—Bids will be received by Elmer G. Still, Town Clerk, up to 8 P. M., Oct. 20th, for furnishing a motor propelled combination pumping engine and hose car.

It is the intention of the Board to pay for said combination fire engine and hose car as follows:

1. Cash on delivery and acceptance.
2. In monthly, quarterly, semi-annual or annual installments. Each bidder shall state the amount of first payment and the amount and time of each installment thereafter, which will be acceptable to him.

SAN LUIS OBISPO COUNTY DEFEATS ROAD BONDS.

The proposed issue of \$1,250,000 bonds for construction of highways in San Luis Obispo County was defeated by 67 votes, the proposition lacking that many of a two-thirds majority out of a total of 4234 votes cast. This is the first set-back for any important good roads project in California since the war. Every other county that has passed upon a highway bond issue has approved it by an emphatic majority, ranging from 6 to 1 to 40 to 1. At the same time San Luis Obispo County defeated the good roads project it turned down a proposition to build a new court house, voting 2326 against to 1609 for the issue of bonds to purchase a site.

What's the matter with San Luis Obispo County? It can get along without a new court house, if county pride

is not involved in the issue; but judging by reports good roads are a crying need in that county. Improved highways are absolutely necessary in these days to development of agricultural and urban communities. Building a good road is not putting on finery; it is an investment that will return many dollars for every one put into it besides interest on the money. No explanation is at hand for the opposition to good roads in San Luis Obispo County. Whether factional strife, sectional jealousy, an unprogressive spirit or lack of appreciation of the value of good roads are responsible for the defeat of the highway bonds, it is nothing to the glory of the county that they failed to carry.—Southwest Builder & Contractor.

ARMENIAN WOMEN BUILD 100 MILES OF ROAD.

MARASH, Mesopotamia—Five hundred Armenian women employed by the American Red Cross have built 100 miles of stone roads and reconstructed several steel bridges in this section within the last four months. The roads were rebuilt in order to facilitate transportation of Red Cross supplies. There were no male laborers to be employed, so Captain Edward Bickel of Seattle, who had charge of the engineering work, engaged the women, who were glad to have employment of any kind.

NEW FIRM OF CIVIL ENGINEERS.

B. D. Painter and A. C. Miller have formed a partnership under the title of Painter & Miller, for engineering practice in land development, irrigation, reclamation, drainage, surveys, maps, estimates, examinations, reports, etc., with offices in the Northern California Bank of Savings Bldg., Marysville, Cal.

They are both certified members of the A. A. E. and are 100% for the organization, and would be glad to have members call on them.

BLAW-KNOX COMPANY EXPANDS.

On account of the large increase in the volume of business, the Blaw-Knox Company have enlarged their quarters at the Monadnock Building, San Francisco, now occupying Rooms 750-752 and 754, where they are better able to handle this increase of business. They are now carrying a large stock of steel forms for round columns, walls, etc., and a big stock of Clam Shell Buckets to meet the requirements of the trade.

COUNTY PURCHASING AGENT NAMED.

SUSANVILLE, Lassen Co., Cal.—W. H. Emerson has been appointed by the County Supervisors to take the place of County Purchasing Agent C. W. Hollowell who resigned.

AVIATION ARITHMETIC.

25 cents	one gallon
35 cents	one flight
25 flights	one funeral

One learns from an ad in a Salt Lake paper that "After taking four bottles of Tanlac, woman raises 600 chickens."

CONTRACTS AWARDED

Liens, Acceptances, Etc.

BUILDING CONTRACTS.

San Francisco County.

The following is an index for the contracts for this issue.

No.	Owner	Contractor	Am't.
2158	Pinckard	Simmen	525
2159	Osborn	Monson	15000
2160	Komsthoft	Hurley	4700
2161	Same	Crothers	2950
2162	Schneider	Owner	2500
2163	Schleicher	Cameron	1000
2164	Warner	Emanuel	400
2165	Schorcht	Chase	500
2166	United Cigar	Martin	875
2167	Home Laundry	Chase	450
2168	Cleland	Owner	500
2169	Rednall	Rednall	400
2170	Kamp	Kamp	400
2171	MacKillop	Owner	8000
2172	Heyman	Heyman	16000
2173	Reid	Reid	400
2174	White	Kronnick	400
2175	Haas	MacDonald	65000
2176	Bothin	Bothin	1000
2177	Zewissig	McDonough	3000
2178	Cal Crdt Clothg	Johnson	4500
2179	China Toggery	Owner	1750
2180	Bienfield	Barrett	30000
2181	Pratt	Pratt	3000
2182	Jewell	Barrett	1900
2183	Real Ppty Inv	Swenson	1400
2184	Dahlia	Dahlia	400
2185	Walton	Walton	400
2186	Winant	Legrand	400
2187	Mallon	Mitchell	1122
2188	Mkt St. Rlty	Decker	2544
2189	Doyie	Houle	4775
2190	Balfour	Otis	75875
2191	Bank of Ita'y	Duncanson	—
2192	Same	G G Iron	—
2193	Anderson	Anderson	1800
2194	Lombardi	Billier	5000
2195	Urban	Duncan	9000
2196	Moredair	Sharman	2500
2197	Providence Sec.	Stevens	3000
2198	Horan	Hansen	900
2199	Eisenbach	Eisenbach	500
2200	Baummann	Anderson	450
2201	Brown	Brown	400
2202	Brown	Amer Mbl	68500
2203	S P Co	Boese	1500
2204	Same	Same	1435
2205	Benfield	Rex	700
2206	Same	Snook	1053
2207	Same	Cohn	670
2208	Same	Barrett	31000
2209	Backman	Owner	2500
2210	Ellery	Ellery	2000
2211	Gibbons	Gibbons	700
2212	Kaplan	Kaplan	400
2213	Ben Zion	Ben Zion	400
2214	Casson	Heffelman	400
2216	Lacoste	S F Elevator	1810

(2158) NO. 345 MONTGOMERY. Erect mezzanine floor.
Owner—Pinckard & Shaughnessy, 345 Montgomery, San Francisco.
Architect—John Simmen.
Contractor—John Simmen, 64 Klausch, San Francisco.
COST, \$525

(2159) S HAYES bet. Polk and Van Ness Ave. Three one-story concrete auto repair buildings.
Owner—E. T. Osborn, Clunie Bldg., San Francisco.
Architect—D. C. Coleman, 20 Montgomery, San Francisco.
Contractor—Monson Bros., 180 Jessie, San Francisco.
COST, \$5000 each

(2160) N FELL 82-6 W Gough 27-6x 120, Grading, concrete, reinforcing

forms, etc., for one-story Class "C" reinforced concrete bakery building.
Owner—A. Komsthoft, 527 Castro St., San Francisco.

Architect—Walter C. Falch, Hearst Bldg., San Francisco.
Contractor—P. Hurley, 578 Elizabeth St., San Francisco.

Filed Oct. 6, '19. Dated Oct. 1, '19.
Forms & reinforcing in place, \$1175
Concrete poured 1175
Completed and accepted 1175
Usual 35 days 1175
TOTAL COST, \$4700

Bond, \$2350. Surety, J. H. McCallum
Limit, 30 days. Forfeit, \$5. Plans and specifications filed.

(2161) ALL WORK EXCEPT GRADING, concrete reinforcing, plumbing, painting and finish hardware on above.

Contractor—F. Crothers, 1426 10th Ave., San Francisco.

Filed Oct. 6, '19. Dated Oct. 1, '19.

Roof on \$737
Plastering done 737
Completed and accepted 738
Usual 35 days 738
TOTAL COST, \$2950

Bond, \$1475. Sureties, J. H. McCallum and E. O. Benner. Limit, 30 days. Forfeit, \$5. Plans and specifications filed.

(2162) W FOLSOM 76 S 16th. One-story machine shop.

Owner—A. Schneider, 2803 16th, S. F.
Architect—None.

Day's work. COST, \$2500

(2163) NO. 860 GEARY. Additions for servants' room.

Owner—A. F. Schleicher, Premises.
Architect—None.

Contractor—Cameron & Disston, Hearst Bldg., San Francisco.
COST, \$1000

(2164) NO. 182 GEARY. Extend mezzanine floor.

Owner—Warner Bros., 28 Geary St., San Francisco.

Architect—None.
Contractor—L. & E. Emanuel, Inc., 1530 Filbert, San Francisco.

COST, \$400

(2165) S PARNASSUS AVE 100 E Stanyan. Concrete wall.

Owner—Valessa Schorch, 1541 Delmar San Francisco.

Architect—None.
Contractor—S. A. Chase, 80 Douglass, San Francisco.

COST, \$500

(2166) SW MARKET AND SIXTH. Alter for cigar store.

Owner—United Cigar Stores Co., 555 Howard, San Francisco.

Architect—C. E. Jones, 555 Howard San Francisco.

Contractor—W. Martin, 110 Jessie St., San Francisco.

COST, \$875

(2167) NV HOFF AVE & SEVENTEENTH. Cement floor.

Owner—Home Laundry Co., Premises.
Architect—None.

Contractor—S. A. Chase, 80 Douglass San Francisco.

COST, \$450

(2168) NO. 230 TWENTY-SEVENTH AVE. Raise dwelling for private garage.

Owner—F. Cleland, Premises.
Architect—None.

Day's work. COST, \$500

(2169) NO. 2775 UNION. Minor alterations for dwelling.

Owner—W. W. Rednall, 2500 Filbert, San Francisco.

Architect—None.

Day's work. COST, \$400

2170) NO. 1035 FELL. Alter for private garage.

Lessee—C. J. Kamp, Premises.
Architect—None.

Day's work. COST, \$400

(2171) W FORTIETH AVE 50 AND 75 N Balboa. Two one-story and basement frame dwellings.

Owner—Alex W. MacKillop, 463 8th Ave., San Francisco.

Architect—None.

Day's work. COST, \$4000 each

(2172) W TWENTY-SIXTH AVE 100, 125, 150 and 175 N Fulton. Four one-story and basement frame dwigs

Owner—Oscar Heyman & Bro., 742 Market, San Francisco.

Architect—None.

Day's work. COST, \$4000 each

(2173) NO. 167-A CASTRO. Install French doors for flats.

Owner—Mrs. V. Reid, Premises.
Architect—None.

Day's work. COST, \$400

(2174) NO. 1804 GEARY. Alter for store.

Owner—Walter H. White, Flatiron Bldg., San Francisco.

Architect—None.

Contractor—Kronnick Bros., 1659 O'Farrell, San Francisco.

COST, \$400

(2175) NW JACKSON AND VAN NESS AVE. Two-story reinforced concrete auto sales rooms.

Owner—A. Haas, Sacramento & Davis, San Francisco.

Designer—Macdonald & Kahn.

Contractor—Macdonald & Kahn, Rialto Bldg., San Francisco.

COST, \$65,000

(2176) SE JACKSON & SANSOMER. One-story brick shop and garage.

Owner—Bothn Real Estate Co., 604 Mission, San Francisco.
 Architect—J. A. Ettler, 604 Mission, San Francisco.
 Day's work. COST, \$10,000

FRAME DWELLING

(2177) W FLORIDA 102-6 S Army. Two-story and basement frame dwelling.
 Owner—P. A. Zewissig.
 Architect—None.
 Contractor—McDonough & Costello, 90 St. Mary's Ave. and 93 College Ave San Francisco.
 COST, \$3000

ALTERATIONS

(2178) NO. 39 STOCKTON. Alter front and remove partitions.
 Owner—California Credit Clothing Co., Care Architect.
 Architect—Bernard J. Joseph, 74 New Montgomery, San Francisco.
 Contractor—J. Harold Johnson, 180 Jessie, San Francisco.
 COST, \$4500

ALTERATIONS

(2179) NO. 929 MARKET. Alter front, new entrance, etc.
 Owner—China Toggery (Joe Shooong Co.), Care Architect.
 Architect—Bernard J. Joseph, 74 New Montgomery, San Francisco.
 Day's work. COST, \$1750

SALES ROOM

(2180) N POST 54 W Franklin. One-story Class "B" sales room.
 Owner—A. M. Bienfield, Care Architect
 Architect—Sylvain Schnaitacher, 233 Post, San Francisco.
 Contractor—Barrett & Hilp, Sharon Bldg., San Francisco.
 COST, \$30,000

FRAME DWELLING

(2181) W THIRTY-SIXTH AVE 175 N Cabrillo. Two-story and basement frame dwelling.
 Owner—J. J. Pratt, 6737 Geary, S. F.
 Architect—None.
 Day's work. COST, \$3000

ADDITION

(2182) SW HAMPSHIRE AND 26th. Addition of 30x30 for offices and store room.
 Owner—Jewell Steel & Malleable Co., Premises.
 Engineer—Eng. Dept. of Owner
 Contractor—Barrett & Hilp, Sharon Bldg., San Francisco.
 COST, \$1900

ALTERATIONS

(2183) NOS. 151-53-55 SUTTER ST. Erect lath and plaster partitions and other alterations for stores.
 Owner—Real Property Investment Co., 1st National Bank Bldg., S. F.
 Architect—None.
 Contractor—Swenson & Franzen, 145 Natoma, San Francisco.
 COST, \$1400

ALTERATIONS

(2184) NO. 830 MOULTRIE. Raise and move dwelling.
 Owner—John Dahila, Premises.
 Architect—None.
 Day's work. COST, \$400

ALTERATIONS

(2185) S TWENTY-SIXTH 75 W Sanchez. Alter flats; basement garage, etc.

Owner—C. Walton, 3583 26th, S. F.
 Architect—None.
 Day's work. COST, \$400

ADDITION

(2186) NO. 310 CAMBRIDGE. Add 2 rooms to dwelling and alter for basement garage.
 Owner—Leon Winant, Premises.
 Architect—None.
 Contractor—A. Legrand, 3140 25th, San Francisco.
 COST, \$1000

(2187) NE TWENTY-FOURTH AND York E 50xN 104. All work for alterations to building.

Owner—Theresa C. Mallon.
 Architect—None.
 Contractor—Thos. F. Mitchell, 1340 Utah, San Francisco.
 Filed Oct. 9, '19. Dated Oct. 9, '19.
 Completed \$1122
 TOTAL COST, \$1122
 Bond, none. Limit, 30 days. Forfeit, plans and specifications, none.

ALTERATIONS

(2188) S MARKET bet. Third and Fourth Streets. All work for alterations and extensions to electrical system of Portola Theatre.
 Owner—Market Street Realty Co., 15 4th St., San Francisco.
 Architect—Alfred H. Jacobs, 110 Sutter St., San Francisco.
 Contractor—Decker Elec. Constr. Co., 149 New Montgomery St., S. F.
 Filed Oct. 9, '19. Dated Oct. 8, '19.
 On completion ¾
 Usual 35 days ¼
 TOTAL COST, \$2544

Bond, none. Limit, Nov. 8, 1919. Forfeit, plans and specifications, none.

RESIDENCE

(2189) W EIGHTH AVE 175 S Moraga S 25xW 120. All work for two-story and basement frame residence.
 Owner—A. Doyle, 1735 8th Ave., San Francisco.
 Architect—None.
 Contractor—D. Houle, 660 Market, San Francisco.
 Filed Oct. 9, '19. Dated Sept. 5, '19.

Frame up \$1175
 Brown coated 1175
 Completed 1175
 Usual 35 days 1250
 TOTAL COST, \$4775

Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

ELEVATOR WORK

(2190) SE SANSOME AND CALIFORNIA S 89x E 129-94. Elevator work for 12-story and basement Class "A" office building.
 Owner—The Balfour Guthrie Investment Co., by P. J. Walker Co., Monadnock Bldg., S. F.
 Architect—Geo. W. Kelham, Sharon Bldg., San Francisco.
 Contractor—Otis Elevator Co., Beach and Stockton, San Francisco.
 Filed Oct. 9, '19. Dated Aug. 7, '19.
 Engines delivered at bldg. 50%
 Elevators set in position 12½%
 Completed and accepted 12½%
 Usual 35 days 25%
 TOTAL COST, \$75,875

Bond, \$37,938. Surety, The Fidelity & Casualty Co. Limit, as required. Forfeit, none. Plans and specifications filed.

FOUNDATION, ETC.

(3191) NW EDDY AND POWELL

Foundation, etc., for six-story Class "A" bank and office building.
 Owner—Bank of Italy, Market and Mason, San Francisco.

Architect—Bliss & Faville, Balboa Bldg., San Francisco.
 Contractor—Duncanson-Harrelson Co., Chronicle Bldg., San Francisco.
 COST, \$125,000 Approximately for steel and foundation.

(3192) STEEL, ETC., ON ABOVE.
 Contractor—Golden Gate Iron Works.
 COST, \$—

DWELLING

(2193) E BERTITA 460 N Mohawk. One-story and basement frame dwlg.
 Owner—K. Anderson, 204 Lee Ave., San Francisco.
 Architect—None.
 Day's work. COST, \$1800

ADDITION, ETC.

(2194) SW BATTERY AND GREEN. Flooring, elevator shaft and addition for warehouse.
 Owner—Cioeca Lombardi Wine Co., Premises.
 Architect—John H. Powers, 460 Montgomery, San Francisco.
 Contractor—John Biller, 460 Montgomery, San Francisco.
 COST, \$5000

DWELLING

(2195) E VICTORIA 110 S Ocean Ave. Two-story & basement frame dwlg.
 Owner—Urban Realty Im. Co., 85 Cerritos Ave., San Francisco.
 Architect—C. E. Gottschalk, 958 Phelan Bldg., San Francisco.
 Contractor—W. C. Duncan & Co., Sharon Bldg., San Francisco.
 COST, \$9000

DWELLING

(2196) S REVERE 50 W Lane. One-story and basement frame dwelling.
 Owner—P. and E. Moreader, 1515 Newcombe Ave., San Francisco.
 Architect—None.
 Contractor—T. L. Sharman, 1440 Shafter Ave., San Francisco.
 COST, \$2500

ALTERATIONS

(2197) NO. 355 SUTTER. Alter for store; electric work, painting, etc.
 Owner—Providence Security Co., Crocker Bldg., San Francisco.
 Architect—None.
 Contractor—W. J. Stevens, 110 Jessie, San Francisco.
 COST, \$3000

ALTERATIONS

(2198) NO. 1679 HAIGHT. Remove wall and alter for store in flats.
 Owner—C. Horan, 401 Phelan Bldg., San Francisco.
 Architect—J. F. Dunn, 401 Phelan Bldg San Francisco.
 Contractor—F. L. Hansen, Inc., 2000 Polk, San Francisco.
 COST, \$960

ALTERATIONS

(2199) SE HYDE AND VERNON. Plaster exterior of apartments.
 Owner—J. Eisenbach, 544 Market St., San Francisco.
 Architect—None.
 Day's work. COST, \$500

ALTERATIONS

(2200) NO. 200 SOMERSET. Raise and alter; concrete foundation, etc. Owner—Mrs. M. Baumann, Premises. Architect—None. Contractor—E. Anderson, Mt. View. COST, \$450

ALTERATIONS

(2201) NO. 44 NEY. Change steps, buttresses, etc. Owner—Chas. Brown, Premises. Architect—None. Day's work. COST, \$400

OFFICE BLDG

(2202) SE SANSOME AND CALIFORNIA S 89x E 129-9%. Exterior marble for 1st, 2nd and 3rd story street fronts, etc., for 12-story Class "A" office building.

Owner—The Balfour-Guthrie Invst. Co., by P. J. Walker Co., Agent, Monadnock Bldg., S. F. Architect—Geo. W. Kelham, Sharon Bldg., San Francisco.

Contractor—American Marble & Mosaic Co., 25 Columbus Square, S. F. Filed Oct. 10, '19. Dated Aug. 14, '19. Monthly payments of..... 75% Usual 35 days..... 25%

TOTAL COST, \$68,500

Bond, \$34,250. Surety, United States Fidelity & Guaranty Co. Limit, as required. Forfeit, none. Plans and specifications filed.

ALTERATIONS

(2203) NO. 65 MARKET. All work for altering walls to mail room and to carpenter shop and changing beam at unloading platform at office building.

Owner—Southern Pacific Co., Premises Architect—None. Contractor—Frederick D. Boese, Call Bldg., San Francisco.

Filed Oct. 10, '19. Dated Sept. 24, '19. Monthly payments of..... 75% Usual 35 days..... 25%

TOTAL COST, \$1630

Bond, \$8.75. Surety, Globe Indemnity Co. Limit, 35 days. Forfeit, none. Plans and specifications filed.

ALTERATIONS

(2204) NO. 65 MARKET. All work for removing and building partitions in 1st story portion of building.

Owner—Southern Pacific Co., Premises Architect—None. Contractor—Frederick D. Boese, Call Bldg., San Francisco.

Filed Oct. 10, '19. Dated Oct. 9, '19. Monthly payments of..... 75% Usual 35 days..... 25%

TOTAL COST, \$1435

Bond, \$717. Surety, Globe Indemnity Co. Limit, 35 days. Forfeit, none. Plans and specifications filed.

ELECTRIC WIRING

(2205) N POST 54 W Franklin W 83-6 Ave. 75 N Anza N 25xW 82-6. N 137-6. All work for electric wiring for one-story Class "B" concrete building (salesrooms).

Owner—A. M. Benfield, Rialto Bldg., San Francisco. Architect—Sylvain Schnaittacher, 233 Post, San Francisco.

Contractor—Rex Elec. & Eng. Co., 253 Minna, San Francisco. Filed Oct. 10, '19. Dated Sept. 22, '19.

On 3rd of each month..... 75% Usual 35 days..... 25%

TOTAL COST, \$709

Bond, \$351. Surety, National Surety Co. Limit, without delay. Forfeit, \$20. Plans and specifications filed.

NOTE—1st report Oct. 10, No. 2130.

PLUMBING

(2206) PLUMBING ON ABOVE.

Contractor—Frederick W. Snook, 243 Minna, San Francisco.

Filed Oct. 10, '19. Dated Sept. 22, '19. Payments same as above.

TOTAL COST, \$1089

Bond, \$544.50. Sureties, Wm. J. W. Forster and K. G. Hadeler. Forfeit, \$20. Limit, 85 days. Plans and specifications filed.

PAINTING

(2207) PAINTING ON ABOVE.

Contractor—M. Cohn & Co., 268 Market San Francisco.

Filed Oct. 10, '19. Dated Sept. 22, '19. Payments same as above.

TOTAL COST, \$670

Bond, \$335. Sureties, Berry Boas and Charles Boas. Forfeit, \$20. Limit, without delay. Plans and specifications filed.

(2208) CARPENTER, MILL EXCAVATION, glass, glazing, lath and plaster, marble, mason, sheet metal and steel sash work on above.

Contractor—Barrett & Hilp, Sharon Bldg., San Francisco.

Filed Oct. 10, '19. Dated Sept. 22, '19. Payments same as above.

TOTAL COST, \$31,100

Bond, \$15,550. Sureties, Albert Lachman and J. A. Casey. Forfeit, \$20. Limit, \$75 days. Plans and specifications filed.

DWELLING

(2209) E HAMBURG 100 N Hearst. One-story and basement frame dwelling.

Owner—J. W. Backman, 4565-A 18th, San Francisco.

Architect—None. Day's work. COST, \$2500

ALTERATIONS

(2210) NO. 2761 SCOTT. Alter for basement garage and build pantry and bath.

Owner—Wm. Ellery, 583 Market, S. F. Architect—None.

Day's work. COST, \$2000

ALTERATIONS

(2211) NO. 1617 FORTY-EIGHTH Ave. General alterations for cottage

Owner—Dave D. Gibbons, 110 Sutter, San Francisco.

Architect—Martin A. Sheldon, 110 Sutter, San Francisco.

Day's work. COST, \$700

ALTERATIONS

(2212) NW O'FARRELL & STOCKTON Erect partitions and new entrance.

Owner—B. Kaplan, 101 Stockton St., San Francisco.

Architect—None. Day's work. COST, \$400

ALTERATIONS

(2213) NO. 704 SANSOME. Alter for wash room, etc.

Owner—Myrno W. Benzon, 17 Beale, San Francisco.

Architect—None. Day's work. COST, \$400

ALTERATIONS

(2214) NO. 209 CHATTANOOGA.

Alter for basement garage.

Owner—Casson & Johnson, 3774 24th, San Francisco.

Architect—None.

Contractor—J. F. Hefferman, 59 Santa Marina, San Francisco.

COST, \$400

ALTERATIONS

(2216) N ELLIS 30 E Franklin 40x120 All work for alterations to elevator in five-story and basement brick and frame building.

Owner—Thos. Lacoste and Marie L. Bergeret, 3233 Jackson, S. F.

Architect—None.

Contractor—San Francisco Elevator Co., 860 Folsom, San Francisco.

Filed Oct. 11, '19. Dated Oct. 11, '19. Completed and accepted..... 75%

Usual 35 days..... 25%

TOTAL COST, \$1810

Bond, none. Limit, 60 days. Forfeit none. Specifications only filed.

LEASE.

San Francisco County.

Oct. 6, 1919—NO. 1751 CALIFORNIA, street, apartment No. 2, M. H. Jacobs to Louis Meyer, 1 year, \$30.

Oct. 6, 1919—E SECOND and Brannan NE 127-6XE 137-6. The Felton Co. to Lawrence Warehouse Co.; 15 years, \$18,000.

Oct. 6, 1919—NO. 220 GRANT AVE. Phoenix Realty Co. to Joseph J. Henkel; 15 years 8 months; \$1200.

Oct. 6, 1919—NO. 431 BROADWAY, S. Nunziato to Melchior Ragusie; 5 years; \$2910.

Oct. 7, 1919—NO. 851 VAN NESS AVE. Gus Schultz to Artemisia Wilkins. \$300 per month.

Oct. 7, 1919—NO. 2357 MISSION, S. Pulfer to Chas. Moskowitz, 4 years 7 months, \$2640.

Oct. 7, 1919—NO. 582 NINTH AVE. J. S. Blanton to Emma Hause, 2 years. \$1140.

Oct. 7, 1919—NO. 612 HOWARD. Geo. W. Merritt to F. W. Wolworth Co. 5 years 3 months, \$1980.

Oct. 8, 1919—NW FIFTEENTH and Bryant N 75-3 W 204 S 118 E 200. F. E. Knowles to M. Friedman & Co. 10 years, \$120,000.

Oct. 8, 1919—SE CALIFORNIA and Powell E 49 S 100 E 1 S 24 W 50 N 124. Stella C. Lovegrove to Stella M. Gruber, 5 years, \$42,120.

Oct. 8, 1919—NO. 1532 HOWARD ST., bet. 11th and 12th. Michael R. Twomey to B. A. Young, 3 years, \$75 per month.

NOTICE OF NON-RESPONSIBILITY.

San Francisco County.

Oct. 8, 1919—LOT 2 BLK 15, Crocker Amazon Tract. Crocker Estate Co. as to improvements on leased property

COMPLETION NOTICES.

San Francisco County

Oct. 3, 1919—E FIFTEENTH AVE 276 S Balboa S 25xE 127. Emil Nelson to whom it may concern.....

Oct. 3, 1919—S GREENWICH 187-6 E Broderick E 25XS 137-6. Walter S. Oliver to whom it may concern.....

Oct. 3, 1919—LOT 10 BLK 5, Crocker Amazon Tract. SW Newton about 25 SE Ralph. Carl Nyman to whom it may concern.....

Oct. 3, 1919—E FIFTEENTH AVE 83 N Anza N 25xE 126. George N. Hein to whom it may concern.....

Oct. 2, 1919—E TWENTYTH AVE 224 N California. Grace Blanchard to J. Harold Johnson.....

Oct. 2, 1919—N 16.5 FEET LOT 26 and S 17.75 feet LOT 27, S 22 feet LOT 28 and N 12.25 Lot 27 Blk 3174,

Westwood Park. Hilding Anderson to Anderson & Johnson.
 Sept. 30, 1919—N CABRILLO 25 E 26th Ave E 25xN 100. Wm Wm Warwich to whom it may concern.
 Sept. 12, 1919—N FULTON 72-6 E 16th Ave E 30xN 75. J. Koening to whom it may concern.
 Oct. 1, 1919—E PALM AVE 130 N Geary N 32-4x E 120 E Palm Ave 254-8 N Geary N 32-4x E 120. Percy D. Tyler to whom it may concern.
 Sept. 30, 1919—E BUSH 100 W 4th — 200 N 150 E 200 S 150. Sharon Estate Co to Barrett & Hilt.
 Sept. 29, 1919—W TWENTY-SECOND Ave 274-5 N Cabrillo N 25xW 120. George A Bertram to Thomas E. Mohler.
 Sept. 23, 1919—SW POST & SHANNON S 137-6 W 104-6 N 77-6 W 20 W 124-6. Jno H Brunnings to whom it may concern.
 Sept. 27, 1919—W 1/2 LOT 18 BLK 26 and all Lot 19 Blk 26. Crocker Amazon Trust, Crocker Palm Ave Co to Clarence D Bevier and Robt A McAfee.
 Oct. 8, 1919—LOTS 13, 14, BLK 3177, part of lot 15 and lot 16, block 3177. Westwood Park. Hans Nelson to Nelson Bros.
 Oct. 6, 1919—BUSH 150 E. Leavenworth. Lloyd B. Ham to whom it may concern.
 Oct. 4, 1919—LOT 7, Block 1266. Portia Park. Nels P Johnson to whom it may concern.
 Oct. 4, 1919—E DOLORES 26.9 N Hidalgo Terrace. J. H. Barrow to D W Ross.
 Oct. 1, 1919—E LYON 100 N Jackson N 27-3/4x E 42-6. William Koening to whom it may concern.
 Oct. 10, 1919—W TWENTY-SIXTH Ave. 75 N Anza. N 25xW 82-6. James Welsh to James Welsh & Co.
 Oct. 10, 1919—W TWENTY-SIXTH Ave 100 N Anza. N 25xW 82-6. James Welsh to James Welsh & Co.
 Oct. 10, 1919—W TWENTY-SIXTH Ave 50 N Anza. N 25xW 82-6. James Welsh to James Welsh & Co.
 Oct. 8, 1919—N ANZA 137-6 W 26th Ave W 27-6xN 125. James Welsh to James Welsh & Co.
 Oct. 9, 1919—W ALABAMA 290 S 25th 25x106. Frank E and Emma Kummer to Ed Zinkand & Son.
 Oct. 8, 1919—W PALM AVE 257-6 N Geary N 25xW 120. Charles L and Nornie Heller to whom it may concern.
 Oct. 7, 1919—E DOLORES 26-6 S 28th S 20x106. J D Ahern to F Demartini.
 Oct. 7, 1919—NW ATHENS 78.80 NE Amazon Ave NE 25xNW 100. Louis Levy to Wm H Grann.
 Oct. 7, 1919—W TWENTY-EIGHTH Ave 165 N Anza N 25xW 120. Clydes S Simonds to whom it may concern.
 Oct. 7, 1919—E EIGHTEENTH AVE 175 N Balboa N 25x E 120. Chas Corrie to Geo W. Fisher.
 Oct. 7, 1919—S BOSWORTH 25 W Cuvier W 25x100. Wm F Flala to Thos McCormick.

LIENS FILED.

San Francisco County.

Oct. 3, 1919—NOS. 287-289 HICKORY Ave and 286-288 Oak. John Madden and Mrs R A McLoughlin, Mrs Mary E Hartmann, Jno G Madden, Wm J Madden, Kathern J and Jno Madden. \$264.40
 Oct. 3, 1919—S BUSH 112-6 E Hyde E 25xS 88. Progress Building Co vs D J Clancy. \$105
 Oct. 3, 1919—S BUSH 112-6 E Hyde E 25xS 88. A Norman (as F G Norman & Sons) vs Clancy. \$173.70
 Oct. 1, 1919—E NAPLES 125 N Ruselia Ave 25x100. City Lumber Co vs Jas M Inlow and R L Witson. \$22.20
 Sept. 25, 1919—SW BUSH & TRINITY W 30xS 68-9. San Francisco Lum-

ber Co vs Mary Sophia Sullivan, Moyer and Graham and J S Bogart. \$47.49
 Sept. 24, 1919—W OCTAVIA 120 S Pine S 65 W 100 N 80 W 37-6 N 35 S 137-6. A Caldwell vs Jennie A Countryman. \$180.19
 Sept. 20, 1919—LOT 28 BLK 3163, Westwood Park. Edward L Roberts vs Gottlieb Schlenker. \$60

ARCHITECT GLASS OF PRESNO APPOINTED ON STATE BOARD OF ARCHITECTURE.

In its issue of October 3rd the Fresno Republican publishes the following article:

"Of wide interest in architectural circles, not only in Fresno, but throughout the state, comes the announcement that Edwin Glass of Glass & Butler, has been named as a member of the State Board of Architects. The appointment is one which will meet with the approval of architects of the Fresno district not only on account of Mr. Glass' personality but because it gives Fresno, now one of the busiest building centers on the Pacific Coast, representation on the State Board.

Although in point of age he is the junior of other members of the board, being only 33 years old, Mr. Glass has been connected with several of the best offices of the country before entering business here, and takes with him to membership on the state board both a broad technical training and large practical experience.

"Mr. Glass graduated from the University of Pennsylvania, department of architecture, in 1912. He supplemented his university training with practical experience in the offices of various architects in Philadelphia, beginning as draughtsman, and working on the staff of Heacock & Hokinson, and Mills & Bonkirk, having complete charge of the latter office. In 1913 Mr. Glass came back to the Pacific Coast, and entered the office of August Denke, in San Francisco, following this by connection with Smith & Stewart. The following year Smith & Stewart sent him to Fresno to take charge of important work that the firm has secured here.

"In 1914 Mr. Glass took the examination before the California examining board of architects, incidentally passing the tests with the highest mark of the year. Soon afterwards he opened offices in Fresno with Charles Butler as partner under the firm name of Glass & Butler. The partners had been classmates at the University of Pennsylvania, and had agreed that as soon as their preliminary experience had been gained they would join effort in one firm.

"Among the more important buildings which brought recognition to the new appointee of the state board and his partner was the tubercular building of the Fresno County Hospital, which is generally recognized as one of the best of its kind known. The plans as developed by the Fresno architects has been adopted as standard by the state board of health, and the publication of these plans by the state board attracted the attention of the United States department of the interior, which only recently notified Glass & Butler that it desired to adopt these plans as standard type for government tubercular institutions."

STATEMENT OF THE SAN FRANCISCO CHAMBER OF COMMERCE IN THE MATTER OF THE PROPOSED ARBITRATION OF THE SITUATION BROUGHT ABOUT BY THE RIGGERS AND STEVEDORES STRIKE ON THE SAN FRANCISCO WATER FRONT.

The San Francisco Chamber of Commerce, through its Industrial Committee, responded to the invitation of the SPECIAL COMMITTEE appointed by the LABOR COUNCIL to endeavor to bring out in conferences with this Committee a plan of conciliation between the Riggers and Stevedores Union and the Water Front Employers Committee.

In entering the conferences the Chamber of Commerce, stated its position that it favored the principle of arbitration of such industrial disputes as relate only to questions of hours of labor, or rates of wages, or actual working conditions of the employees concerned, but that arbitration cannot be urged with any organization, or group of men who are not responsible, or who will not loyally perform their own agreements, or fairly observe the rules or regulations of their own organization.

The conferees have earnestly endeavored to arrive at a just basis of settlement, but there has been no substantial agreement due largely to the fact that the Riggers and Stevedores Union has been shown by thorough inquiry to be, as at present constituted, a body so irresponsible as to render it impossible for this Chamber to urge upon any employer further negotiations with the organization.

This conclusion was due entirely to the attitude of the Riggers and Stevedores Union in constantly introducing new subjects of controversy as soon as the matters then in dispute appeared to have been settled, and finally, by passing a strike resolution on a rising vote, a proceeding entirely at variance with their own constitution, after previously having voted not to strike by secret ballot.

The Chamber regrets, because of this showing, that its usefulness as a conciliatory body has been ended in this instance.

A MODEST SHEET.

An Oriental paper having an English section pointed the following notice:

"The news of English we tell the latest. Writ in perfect style and most earliest. Do a murder commit, we hear of and tell it. Do a mighty chief die, we publish it and in borders somber. Staff has each one been collected and write like the Kipling and the Dickens. We circle every town and extortionate not for advertisements."—Everybody's Magazine.

CHINESE GET LESSON FROM U. S. ADVERTISING.

Two little Chinese boys were standing before the billboards discussing the merits of cows, as depicted by the Bull Durham and Carnation Milk advertisements. Said one of them: "In America they have two kinds of cows, you know; he cows and she cows. The she-cow gives milk and the he-cow gives tobacco."

BUILDING CONTRACTS.

Alameda County.

116	S F O T Ry	MacGregor	800
117	Breedlove	Breedlove	4900
118	Long	Sheridan	3500
119	Eyde	Schussler	4500
120	Hunter	Hemstak	1650
121	Dulzaboulet	Caretto	550
122	Amer R R Ex	Butler	1837
123	Petersen	Burnett	3460
124	Broderick	Stolte	2850
125	Pfrang	Pfrang	6000
126	Hatch	Cooley	2650
127	Supple	Baughman	2500
128	Bercovich	Kulchar	2500
129	Mathews	Pratt	5000
130	Peterson	McPherson	400
131	Mason	Mason	500
132	Smith	Smith	1000
133	Ring	Ring	400
134	Yow	Hummier	400
135	Benson	Benson	400
136	Same	Upton	400
137	Sullivan	Kopp	7019
138	Same	Makin	1535
139	Henry	Alhnefeld	1786
140	Schnoor	Cal Eldrs	5000
141	Elste	Pearson	4000
142	Melin	Fanner	400
143	Same	Kain	2000
144	Collins	Bellefontaine	3450
145	Cavallo	Cavallo	400
146	Massey	Massey	400
147	Hoge	Frazee	1015
148	Bkly Bd Ed	Dixon	2987
149	Same	Bertelsen	30950
150	Same	Howden	2158
151	Same	Rigney	2297
152	Same	Dixon	850
153	Same	Snook	4385
154	Same	Christensen	21864
155	Same	Kings	745
156	Same	Morton	47777
157	Same	Rigney	398
158	Same	Cahill	3100
159	Same	Snook	4085
160	Same	Makin	5893
161	Same	Nottingham	13570
162	Same	Jeppen	11195
163	Same	White	712
164	Same	Vezev	21357
165	Same	Rigney	837
166	Same	Makin	5465
167	Franks	Franks	4000
168	McCauley	Owner	4000
169	Pinnelle	Sharp	3500
170	S F & O T Ry	Owner	2500
171	Same	Same	9006
172	Russell	Miller	8400
173	Kitterman	Kitterman	4500
174	Heweston	Gresham	500
175	Clay	Clay	400
176	Hubb	Roloff	450
177	Middlemus	Hogberg	400
178	Mulvany	Owner	400
179	Ikly Dev	Mason	3000
180	Same	Same	3000
181	Brown	Brown	1400
182	Judson	Hemstak	400
183	Norris	Norris	3000
184	Morrison	Morris	9000
185	Same	Same	600
186	Hollidge	Owner	22800
187	Hanser	Hancock	4450
188	Hollidge	Owner	1600
189	Smith	Smith	400
190	Otto	Otto	400
191	White Star Ldy	Moore	500
192	Kutchar	Owner	400
193	MacDonald	Morris	400
194	Same	Same	400
195	Nyman	Owner	1200
196	Pfrang	Pfrang	500
197	Etter	McCullough	938
198	McLea	Hart	2900
199	Rutter	Francis	2400
200	Frederick	Larmer	3000
201	Bercraft	Owner	2500
202	Dier	Owner	1300
203	Maschburn	Schley	750
204	Pineo	Quigley	500
205	Standard Oil	Owner	500
206	Same	Same	500
207	Corgiat	Perona	495

ITCHEN, ETC.

1116) N E-FOURTEENTH bet. 94th and 95th Aves., Oakland. One-story kitchen and dining room.
 wner—S. F. O. T. Railway.
 Architect—Reed & Corlett, Oakland.
 Bank of Savings Bldg., Oakland.
 ontractor—C. M. MacGregor, 470 13th, Oakland.
 COST, \$800

FRAME DWELLING
 (3117) COR. BLAIR AND BONITA Aves., Piedmont. Two-story frame dwelling.
 Owner—May S. Breedlove, 175 Santa Rosa Ave., Oakland.
 Architect—None.
 Day's work. COST, \$4900

DWELLING
 (3118) HOPKINS AND NAPA, Berkeley. One-story 5-room dwelling.
 Owner—Roy O. Long, Elks' Club, Berkeley.
 Architect—None.
 Contractor—H. P. Sheridan, 2815 Grove Berkeley.
 COST, \$3500

DWELLING
 (3119) NO. 859 CONTRA COSTA AVE. Berkeley. One-story 6-room dwlg.
 Owner—H. B. Eyde, 2913 Regent St., Berkeley.
 Architect—None.
 Contractor—H. H. Schussler, 2436 Telegraph Ave., Berkeley.
 COST, \$4500

GARAGES, ETC.
 (3120) NO. 2423 RIDGE ROAD, Berkeley. Garage and stable.
 Owner—Robert Hunter, Premises.
 Architect—None.
 Contractor—C. H. Hemstak, 2204 Roosevelt, Berkeley.
 COST, \$1650

ALTERATIONS
 (3121) NO. 2228 TENTH. Berkeley. Alterations.
 Owner—Gustine Dulzaboulet, Prem.
 Architect—None.
 Contractor—C. Caretto, 2221 8th, Bkly.
 COST, \$550

ALTERATIONS
 (3122) SIXTEENTH STREET DEPOT, passenger depot grounds of S. P. Co., Oakland. All work for alterations to depot building.
 Owner—American Railway Express Co. Wells Fargo Bldg., San Francisco.
 Architect—James H. Humphreys, Wells Fargo Bldg., San Francisco.
 Contractor—Butler & Reilly, 180 Jessie, San Francisco.
 Filed Oct. 6, '19. Dated Oct. 2, '19.
 14th and 30th of each month. 75%
 Usual 35 days. 25%
 TOTAL COST, \$18,237

Bond, \$9119. Sureties, P. P. Quinn and D. J. Sullivan. Limit, forfeit, none. Plans and specifications filed.

DWELLING
 (3123) W CAPELL 100 N Prospect Ave being Lot 6 Blk "H" Sheet No. 1 Map Excelsior Heights, Oakland.
 All work for one-story 5-room dwlg.
 Owner—Ingeman Petersen, 1760 28th Ave., Oakland.
 Architect—None.
 Contractor—F. L. Burnett, 745 Aileen Oakland.
 Filed Oct. 6, '19. Dated Sept. 27, '19.

Frame up \$692
 Enclosed 692
 Plastered 692
 Standing finish on 692
 Completed 692
 TOTAL COST, \$3480
 Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

DWELLING
 (3124) E WILSON AVE 100 S Hopkins

Oakland. One-story 5-room dwelling.
 Owner—W. F. Broderick, 3501 13th Ave., Oakland.
 Architect—None.
 Contractor—F. C. Stolte, 34449 Laguna Ave., Oakland.
 COST, \$2850

DWELLING
 (3125) N AILEEN 150 and 190 W Dover, Oakland. Two one-story 5-room dwellings.
 Owner—H. C. Pfrang, 5507 College Ave. Oakland.
 Architect—None.
 Day's work. COST, \$3000 each

DWELLING
 (3126) W SEVENTY-NINTH AVE 80 N Locust, Oakland. One-story 5-room dwelling.
 Owner—E. C. Hatch, 1467 32nd Ave., Oakland.
 Architect—None.
 Contractor—O. E. Cooley, 7896 E-14th, Oakland.
 COST, \$2650

DWELLING
 (3127) W EIGHTH AVE 100 S E-16th Oakland. One-story 4-room dwlg.
 Owner—C. E. Sipple, 1229 6th Ave., Oakland.
 Architect—None.
 Contractor—J. W. Baughman, 1627 5th Ave., Oakland.
 COST, \$2500

ALTERATIONS
 (3128) SW ELEVENTH AND CLAY, Oakland. Alterations.
 Owner—H. S. Bercovich.
 Architect—None.
 Contractor—S. Kulchar & Co., 8th Ave and E-10th, Oakland.
 COST, \$2580

DWELLING
 (3129) E MANDANA BLVD. 950 N Paloma Ave., Oakland. Two-story six-room dwelling.
 Owner—J. E. Mathews, 2013 Franklin, Oakland.
 Architect—None.
 Contractor—H. S. Pratt, 4605 El Centro Ave., Oakland.
 COST, \$5000

GARAGE
 (3130) S MATHER 50 E Broadway, Oakland. One-story tile garage.
 Owner—Geo. Peterson, 291 Mather, Oakland.
 Architect—None.
 Contractor—S. McPherson, 2151 Ashby Ave., Berkeley.
 COST, \$400

DWELLING
 (3131) MOUNTAIN VIEW AVE (Leona Heights), Oakland. One-story four room dwelling.
 Owner—Robt. Mason, 5710 Noble, Okd.
 Architect—None.
 Day's work. COST, \$500

ADDITION
 (3132) NO. 647 POIRIER, Oakland. Addition.
 Owner—S. Smith, Premises.
 Architect—None.
 Day's work. COST, \$1000

ALTERATIONS

(3133) NO. 593 TWENTY-SECOND.
Oakland. Alterations and additions.
Owner—C. J. Ring, Premises.
Architect—None.
Day's work. COST, \$400

ALTERATIONS

(3134) NO. 378 EIGHTH. Oakland.
Alterations.
Owner—Yow Sang Co., Premises.
Architect—None.
Contractor—C. Hummner, 225 34th Ave.,
Oakland. COST, \$400

ADDITION

(3135) NO. 2618 E-TWENTY-SECOND
Oakland. Addition.
Owner—A. Benson, Premises.
Architect—None.
Day's work. COST, \$400

ADDITION

(3136) NO. 3884 HOWE, Oakland. Ad-
dition.
Owner—F. Upton, Premises.
Architect—None.
Day's work. COST, \$400

DWELLINGS

(3137) NW SIXTY-FIFTH & WHITE-
ney, Oakland. Excavating, mill
work, sash and doors, mirrors, glaz-
ing, carpenter labor, except shakes
on house No. 3 and shingle walls of
house No. 5, lath stripping on houses
No. 3 and 5, metal corner beads,
rough hardware, building paper,
floors (except hardwood floors and
fences) for five one-story five-room
dwellings.

Owner—J. A. Sullivan, 1st National Bk.
Bldg., Berkeley.

Architect—W. H. Ratcliff Jr., 1st Na-
tional Bank Bldg., Berkeley.

Contractor—H. J. Kopp, Oakland.
Filed Oct. 6, '19. Dated Oct. 1, '19.

Partitions up	\$ 450.00
Interior mill work on	1200.00
Ready for plaster	450.00
Enclosed	450.00
Completed and accepted	314.25
Completion of carpenter wk	3450.00
Usual 35 days	704.75
TOTAL COST, \$7019.00	

Bond, none. Limit, 70 days. Forfeit,
none. Plans and specifications filed.

(3138) LATH AND PLASTER IN-
terior of all houses and exterior of
houses No. 3 and 5.

Contractor—Wm. Makin, 3828 Beau-
mont Ave., Oakland.

Filed Oct. 6, '19. Dated Oct. 1, '19.

Brown coat on each interior	\$500
Brown coat on each exterior	175
Interior plaster completed	50
Completed	Balance
TOTAL COST, \$1535	

Bond, limit, forfeit, none. Plans and
specifications filed.

DWELLING

(3139) NO. 110 STUART, Berkeley.

One-story 3-room dwelling.
Owner—L. McHenry, Premises.

Architect—None.
Contractor—Ahnefeld & Brennen, 3108
Harper, Berkeley.

COST, \$1780

DWELLING, ETC.

(3140) SW FREMONT AND WOOLSEY
Berkeley. Two one-story 4-room
dwellings and garages.
Owner—P. Schnoor, 1534 Franklin,
Oakland.

Architect—None.

Contractor—California Builders Co.,
1534 Franklin, Oakland.

COST, \$2500 each

DWELLING

(3141) NO. 833 OXFORD, Berkeley.

One-story 6-room dwelling.
Owner—Ralph R. Eltse, 1915 Escondido
Ave., Berkeley.

Architect—None.
Contractor—B. Pearson, Grant St.,
Berkeley.

COST, \$4000

ALTERATIONS

(3142) NO. 1920 TENTH, Berkeley.

Alterations.
Owner—Miss Melin, Premises.

Architect—None.
Contractor—F. Fanner, 1118 Delaware
Berkeley.

COST, \$400

DWELLING

(3143) E FIFTIETH AVE 119 N E-
14th, Oakland. One-story 4-room
dwelling.

Owner—M. W. Kain, 627 Muller Ave.,
San Francisco.

Architect—None.
Day's work. COST, \$2000

DWELLING

(3144) NO. 1523 THIRTY-THIRD AV.,
Oakland. One-story 5-room dwlg.

Owner—Mrs. Mary Collins, 1419 100th
Ave., Oakland.

Architect—None.
Contractor—A. J. Bellefontaine, 6712
Flora, Oakland.

COST, \$3450

ALTERATIONS

(3145) NO. 3424 HAVEN, Oakland.

Alterations and repairs.
Owner—M. Cavallo, Premises.

Architect—None.
Contractor—N. Cavallo, Premises.

COST, \$100

ALTERATIONS

(3146) NO. 429 FOURTEENTH, Oak-
land. Alterations.

Owner—Carl Massey, Premises.
Architect—None.

Day's work. COST, \$400

HEATING PLANT

(3147) LOT 47 Lake Shore Park
Heights, Oakland. All work for
heating plant in apartments.

Owner—L. B. Hoge, 943 Pacific Bldg.,
San Francisco.

Architect—Schimer Bugbee & Co.,
Thayer Bldg., Oakland.

Contractor—L. D. Frazee, 699 36th St.,
Oakland.

Filed Oct. 8, '19. Dated Sept. 16, '19.

Roughed in	40%
Completed	35%
Usual 35 days	25%
TOTAL COST, \$1015	

Bond, limit, forfeit, none. Plans and
specifications filed.

PLASTERING

(3148) S UNIVERSITY AVE. bet.
Curtis and Bonar, Berkeley Plastering
work for alterations and addi-
tions to Burbank School.

Owner—The Board of Education of
the City of Berkeley and Berkeley
School District in the County of
Alameda, State of California.

Architect—Walter H. Ratcliff Jr., 1st
National Bank Bldg., Berkeley.

Contractor—George Dixon, 541 Apga
Oakland.

Filed Oct. 8, '19. Dated Sept. 25, '19.

On last Saturday after 1st Tues-
day of each month

Usual 35 days

TOTAL COST, \$294

Bonds, \$1494 and 747. Surety, Fidelity
& Casualty Co. Limit, 40 days. For
feilt, plans and specifications, none.

(3149) CARPENTER WORK
above.

Contractor—S. J. Bertelsen, 667 39th
Oakland.

Filed Oct. 8, '19. Dated Sept. 24, '19.

Payments same as above

TOTAL COST, \$30.95

Bonds, \$7738 and \$15,475. Surety,
Globe Indemnity Co. Limit, 110 days.
Forfeit, plans and specifications, none.

(3150) TILE WORK ON ABOVE.

Contractor—Robert Howden & Son,
1115 Webster, Oakland.

Filed Oct. 8, '19. Dated Sept. 25, '19.

Payments same as above

TOTAL COST, \$215

Bonds, \$540 and \$1080. Surety, Fidelity
& Casualty Co. Limit, 20 days. For
feilt, none. Plans and specification
filed.

TILE WORK

(3151) S OREGON bet. Grant and Mc
Gee Ave., Berkeley. Tile work o
Edison School.

Owner—The Board of Education o
the City of Berkeley and Berkele
School District in the County o
Alameda, State of California.

Architect—Walter H. Ratcliff Jr., 1s
National Bank Bldg., Berkeley.

Contractor—The Rigney Tile Co., 214
Telegraph Ave., Oakland.

Filed Oct. 8, '19. Dated Sept. 25, '19

1st Saturday after 1st Tuesday
of each month

Usual 35 days

TOTAL COST, \$229

Bond, \$575 and \$1148. Surety, Nations
Surety Co. Limit, 15 days. Forfe
plans and specifications, none.

(3152) PLASTERING WORK O
above.

Contractor—George Dixon, 541 Apga
Oakland.

Filed Oct. 8, '19. Dated Sept. 25, '19.

Payments same as above

TOTAL COST, \$85

Bonds, \$213 and \$425. Surety, Fidelity
& Casualty Co. Limit, 30 days. For
feilt, plans and specifications, none.

(3153) PLUMBING WORK ON ABOVE

Contractor—Frederick W. Snook Co
594 Clay, San Francisco.

Filed Oct. 8, '19. Dated Sept. —, '19

Payments same as above

TOTAL COST, \$438

Bonds, \$1097 and \$2193. Surety, Fi
delity & Casualty Co. Limit, 80 days
Forfeit, plans and specifications, none.

(3154) CARPENTER WORK O
above.

Contractor—C. Christensen & Son, 56
16th, Oakland.

Filed Oct. 8, '19. Dated Sept. 25, '19.

Payments same as above

TOTAL COST, \$21.85

Bonds, \$4666 and \$10,932. Surety, Na
tional Surety Co. Limit, 60 days
Forfeit, plans and specifications, none.

(155) ELECTRIC WORK ON ABOVE.
Contractor—Kings Electrical Co., 1266 Broadway, Oakland.
Filed Oct. 8, '19. Dated Oct. 3, '19.
Payments same as above.
TOTAL COST, \$745
Bonds, \$187 and \$373. Surety, _____
Limit, 30 days. Forfeit, plans and specifications, none.

CARPENTER WORK
(156) CLAREMONT AVE., bet. Webster and Russell, Berkeley. All carpenter work on John Muir School.

Owner—The Board of Education of the City of Berkeley and Berkeley School District in the County of Alameda, State of California.
Architect—James W. Plachek, 2014 Shattuck Ave., Berkeley.
Contractor—Mathew Morton, 2911 Benvenue Ave., Berkeley.
Filed Oct. 8, '19. Dated Sept. 25, '19.
1st Saturday after 1st Tuesday of each month. 75%
Usual 35 days. 25%
TOTAL COST, \$47,777
Bonds, \$11,945 and \$23,839. Surety, National Surety Co. Limit, 150 days. Forfeit, plans and specifications, none.

(157) TILE WORK ON ABOVE.
Contractor—The Rigney Tile Co., 2148 Telegraph Ave., Oakland.
Filed Oct. 8, '19. Dated Sept. 25, '19.
Payments same as above.
TOTAL COST, \$398
Bonds, \$100 and \$199. Surety, National Surety Co. Limit, 50 days. Forfeit, plans and specifications, none.

(158) PAINTING ON ABOVE.
Contractor—James Cahill & Co., 372 12th, Oakland.
Filed Oct. 8, '19. Dated Sept. 25, '19.
Payments same as above.
TOTAL COST, \$3100
Bonds, \$775 and \$1550. Surety, Fidelity & Casualty Co. Limit, 50 days. Forfeit, plans and specifications, none.

(159) PLUMBING ON ABOVE.
Contractor—Frederick W. Snook Co., 594 Clay, San Francisco.
Filed Oct. 8, '19. Dated Sept. 25, '19.
Payments same as above.
TOTAL COST, \$4085
Bonds, \$1022 and \$2043. Surety, Fidelity & Casualty Co. Limit, 50 days. Forfeit, plans and specifications, none.

(160) PLASTERING ON ABOVE.
Contractor—Wm. Makin, 3828 Beaumont Ave., Oakland.
Filed Oct. 8, '19. Dated Sept. 27, '19.
Payments same as above.
TOTAL COST, \$5893
Bonds, \$1474 and \$2043. Surety, Fidelity & Casualty Co. Limit, 50 days. Forfeit, plans and specifications, none.

(161) HEATING AND VENTILATING ON ABOVE.
Contractor—W. K. Nottingham, 1905 Webster, Oakland.
Filed Oct. 8, '19. Dated Sept. 25, '19.
Payments same as above.
TOTAL COST, \$13,570
Bonds, \$3393 and \$6785. Surety, Fidelity & Casualty Co. Limit, 50 days. Forfeit, plans and specifications, none.

EXCAVATING, ETC.
(162) E TELEGRAPH AVE., bet. Ward and Stuart, Berkeley. Excavating, grading, concrete and brick

work for Frances Willard School.
Owner—The Board of Education of the City of Berkeley and Berkeley School District in the County of Alameda, State of California.
Architect—James W. Plachek, 2014 Shattuck Ave., Berkeley.
Contractor—Jepsen Bros., Berkeley.
Filed Oct. 8, '19. Dated Sept. 25, '19.
1st Saturday after 1st Tuesday of each month. 75%
Usual 35 days. 25%
TOTAL COST, \$11,105
Bonds, \$2777 and \$5553. Surety, Fidelity & Casualty Co. Limit, 50 days. Forfeit, plans and specifications, none.

(163) ELECTRIC WORK ON ABOVE.
Contractor—E. C. White, 2034 Center, Berkeley.
Filed Oct. 8, '19. Dated Sept. 26, '19.
Payments same as above.
TOTAL COST, \$713
Bonds, \$179 and \$357. Surety, Fidelity & Casualty Co. Limit, 50 days. Forfeit, plans and specifications, none.

(164) CARPENTER WORK ON ABOVE.
Contractor—C. D. Vezey, 1812 Prince, Berkeley.
Filed Oct. 8, '19. Dated Sept. 25, '19.
Payments same as above.
TOTAL COST, \$31,357
Bonds, \$7840 and \$15,679. Surety, Fidelity & Casualty Co. Limit, 50 days. Forfeit, plans and specifications, none.

(165) TILE WORK ON ABOVE.
Contractor—The Rigney Tile Co., 2148 Telegraph Ave., Oakland.
Filed Oct. 8, '19. Dated Sept. 25, '19.
Payments same as above.
TOTAL COST, \$837
Bonds, \$210 and \$419. Surety, National Surety Co. Limit, 50 days. Forfeit, plans and specifications, none.

(166) PLASTERING ON ABOVE.
Contractor—Wm. Makin, 3828 Beaumont Ave., Oakland.
Filed Oct. 8, '19. Dated Sept. 27, '19.
Payments same as above.
TOTAL COST, \$5465
Bonds, \$1367 and \$2733. Surety, Fidelity & Casualty Co. Limit, 50 days. Forfeit, plans and specifications, none.

DWELLING
(167) E SCENIC AVE 40 S Rose Terrace, Berkeley. One and one-half story 6-room dwelling.
Owner—P. H. Franks, 2709 McGee Ave., Berkeley.
Architect—None.
Day's work. COST, \$4000

DWELLING
(168) N ASHBY AVE 125 E Pine, Berkeley. Two-story 6-room dwlg.
Owner—J. I. McCauley, 139 Hearst Ave., Berkeley.
Architect—None.
Day's work. COST, \$4000

DWELLING
(169) W MANILA AVE 150 N 41st, Oakland. One-story 5-room dwlg.
Owner—Ella M. Pinnella, 1200 Pine, San Francisco.
Architect—None.
Contractor—Andrew C. Shrap, 3260 Kansas, Oakland.
COST, \$3500

ALTERATIONS
(170) E SHATTUCK AVE bet. 50th

and 51st, Oakland. Alter into car barns.
Owner—S. F. & O. T. Railway, 22nd and Grove, Oakland.
Architect—None.
Day's work. COST, \$2500

ALTERATIONS
(171) W TELEGRAPH AVE bet. 50th and 51st, Oakland. Alterations to car barns.
Owner—S. F. & O. T. Railway, 22nd and Grove, Oakland.
Architect—None.
Day's work. COST, \$9000

DWELLING
(172) NO. 2067 SANTA CLARA AV., Alameda. One-story 6-room dwelling and garage.
Owner—J. R. Russell, 2149 Santa Clara Ave., Alameda.
Architect—F. Dakin, 310 California, San Francisco.
Contractor—Fred Miller, 225 Dolores, San Francisco.
COST, \$8400

ADDITION
(173) NO. 2213 CLINTON AVE., Alameda. Addition.
Owner—James Kitterman, 855 Cedar, Alameda.
Architect—None.
Day's work. COST, \$4500

ALTERATIONS
(174) VERSAILES AVE., Alameda. Alterations.
Owner—Mrs. I. M. Heweston, 2409 Harrison Ave., Alameda.
Architect—None.
Contractor—F. L. Gresham, 1114 Regent, Alameda.
COST, \$500

GARAGE
(175) NO. 1820 WEBSTER, Alameda. Garage.
Owner—R. C. Clay, 1819 Webster, Alameda.
Architect—None.
Day's work. COST, \$400

ALTERATIONS
(176) NO. 2106 EAGLE AVE., Alameda. Alterations.
Owner—Mrs. Hubb, Premises.
Architect—None.
Contractor—L. R. Roloff, 1538 Willow Alameda.
COST, \$450

ALTERATIONS
(177) NO. 2114 SANTA CLARA AVE., Alameda. Alterations.
Owner—Mrs. Middlemuss, Premises.
Architect—None.
Contractor—Emil Hogberg.
COST, \$—

FOUNDATION
(178) NO. 2145 CLINTON AVE., Alameda. Foundation.
Owner—J. J. Mulvany, 1110 Chestnut, Alameda.
Architect—None.
Day's work. COST, \$400

DWELLING
(179) S SONOMA AVE 313 W Josephine, Berkeley. One and one-half-story 6-room dwelling.
Owner—Berkeley Development Co., Shattuck and Addison, Berkeley.
Architect—H. H. Gutterston, 278 Post, San Francisco.

Contractor—Mason McDuffie Co.,
Shattuck and Addison, Berkeley.

COST, \$3000

DWELLING

(3180) S SONOMA AVE 213 W Jose-
phine, Berkeley. One-story 5-room
dwelling.

Owner—Berekeley Development Co.,
Shattuck & Addison, Berkeley.

Architect—H. H. Gutterson, 278 Post,
San Francisco.

Contractor—Mason McDuffie Co. Shat-
tuck and Addison, Berkeley.

COST, \$3000

DWELLING

(3181) NO. 735 CEDAR, Berkeley.
One-story 4-room dwelling.

Owner—A. M. Brown, 5455 Manila Ave.,
Oakland.

Architect—None.

Day's work. COST, \$1400

GARAGE

(3182) NO. 1590 LE ROY, Berkeley.
Garage.

Owner—C. Judson, Cedar & Le Roy,
Berkeley.

Architect—None.

Contractor—C. H. Hemstall, 2204
Roosevelt, Berkeley.

COST, \$400

DWELLING

(3183) GREENBANK AVE near Oak-
land Ave., Piedmont. Two-story
frame dwelling.

Owner—Justus Norris, 2828 Richmond
Ave., Oakland.

Architect—None.

Day's work. COST, \$3000

DWELLINGS

(3184) W PARK BLVD, 140 and 185
N Hampel, Oakland. Two one-story
7-room dwellings.

Owner—Wallace Morrison, 180 Kemp-
ton Ave., Oakland.

Architect—None.

Contractor—Solomon Morris, 1507 Har-
rison, Oakland.

COST, \$4500 each

GARAGES

(3185) NOS. 1115 AND 4125 PARK
BLVD., Oakland. Two garages.

Owner—Wallace Morrison, 180 Kemp-
ton Ave., Oakland.

Architect—None.

Contractor—Solomon Morris, 1507 Har-
rison, Oakland.

COST, \$600 each

DWELLINGS

(3186) S EXCELSIOR BLVD, 100, 130,
160 and 200 E Capell, Oakland. Four
one-story 6-room dwellings.

Owner—Geo. H. Hollidge, 5926 Taft
Ave., Oakland.

Architect—None.

Day's work. COST, \$5700 each

DWELLING, ETC.

(3187) N E-FOURTEENTH 75 W 39th
Ave., Oakland. Two-story 6-room
dwelling and store.

Owner—E. S. Hauser, E-14th and 39th
Ave., Oakland.

Architect—None.

Contractor—Hancock & Lydsksen, 1244
39th Ave., Oakland.

COST, \$4460

GARAGES

(3188) S EXCELSIOR BLVD, 118, 158,

190 and 220 E Capell, Oakland. Four
garages.

Owner—Geo. H. Hollidge, 5926 Taft
Ave., Oakland.

Architect—None.

Day's work. COST, \$400 each

WAREHOUSE

(3189) N E-FOURTEENTH 225 E 52d
Ave., Oakland. One-story ware-
house.

Owner—C. J. Smith, 5034 E-14th, Okd.

Architect—None.

Day's work. COST, \$400

ADDITION

(3190) NO. 2763 E-TWENTY-THIRD,
Oakland. Addition.

Owner—Paul Otto, Premises

Architect—None.

Day's work. COST, \$400

ALTERATIONS

(3191) FORTIETH AND MANILA
Ave., Oakland. Alterations and ad-
ditions.

Owner—White Star Laundry, Prem.

Architect—None.

Contractor—C. T. Moore, 446 38th, Okd.

COST, \$500

ADDITION

(3192) NO. 3721 LINCOLN AVE., Oak-
land. Addition.

Owner—Frank Kulchar.

Architect—None.

Day's work. COST, \$400

GARAGE

(3193) NO. 712 ARIMO AVE., Oakland
Garage.

Owner—MacDonald & Vinson, Syndi-
cate Bldg., Oakland.

Architect—None.

Contractor—Solomon Morris, 1507 Har-
rison, Oakland.

COST, \$400

GARAGE

(3194) NO. 781 SANTA RAY AVE.,
Oakland. Garage.

Owner—MacDonald & Vinson, Syndi-
cate Bldg., Oakland.

Architect—None.

Contractor—Solomon Morris, 1507 Har-
rison, Oakland.

COST, \$400

DWELLING

(3195) N SIXTY-THIRD 100 E Lowell
Oakland. One-story 4-room dwlg.

Owner—Hugo Nyman, 1635½ Felten,
Berkeley.

Architect—None.

Day's work. COST, \$1200

ADDITION

(3196) W ZORAH 130 N Brooklyn,
Oakland. Addition.

Owner—C. J. Pfrang, 480 Forest,
Oakland.

Architect—None.

Day's work. COST, \$500

MARQUIS

(3197) NO. 2946 COLLEGE AVE., Ber-
keley, Marquis.

Owner—Etter & Keimp, S. F.

Architect—None.

Contractor—Henry McCullough, 1641
Allston Way, Berkeley.

COST, \$938

DWELLING

(3198) W TWENTY-SEVENTH AVE
300 N E-14th, Oakland. One-story 4
room dwelling.

Owner—Augustine McLean, 1201 30th
Ave., Oakland.

Architect—None.

Contractor—J. G. Hart & Sons, 241
E-20th, Oakland.

COST, \$290

DWELLING

(3199) W SEVENTY-FOURTH AVE
532 N E-14th, Oakland. One-story 5
room dwelling.

Owner—Mrs. Addie Rutter, 1214 95th
Ave., Oakland.

Architect—None.

Contractor—E. O. Francis, 4315 E
12th, Oakland.

COST, \$2400

DWELLING

(3200) S KEITH AVE 100 W Prya,
Ave., Oakland. One-story 6-room
dwelling.

Owner—Mrs. Frederick, Berkeley.

Architect—None.

Contractor—Edw. Larmer, 470 Boule-
vard Way, Oakland.

COST, \$3900

DWELLING

(3201) E ELEVENTH AVE 262 N
E-24th, Oakland. One-story 5-room
dwelling.

Owner—H. D. Becraft, 2401 27th Ave.,
Oakland.

Architect—None.

Day's work. COST, \$2500

DWELLING

(3202) S E-THIRTY-THIRD 140 E
Stuart, Oakland. One-story 3-room
dwelling.

Owner—Geo. W. Dishers, 3230 Stuart,
Oakland.

Architect—None.

Day's work. COST, \$1300

ADDITION

(3203) NO. 1116 E-TWENTY-FIRST,
Oakland. Addition.

Owner—M. Maschburn, Premises.

Architect—None.

Contractor—Karl Schley, 1155 E-14th,
Oakland.

COST, \$750

REPAIRS

(3204) NO. 901 EXCELSIOR, Oakland
Repairs.

Owner—F. Pineo.

Architect—None.

Contractor—Chas. E. Quigley, 464 Van
Buren, Oakland.

COST, \$500

STATION

(3205) SE SIXTH AND WEBSTER,
Oakland. Steel service station.

Owner—Standard Oil Co., 200 Bush,
San Francisco.

Architect—None.

Day's work. COST, \$500

STATION

(3206) NW FOURTEENTH AND OAK
Oakland. Steel service station.

Owner—Standard Oil Co., 200 Bush,
San Francisco.

Architect—None.

Day's work. COST, \$500

ALTERATIONS

(3207) NO. 983 LAKESHORE AVE.,
Oakland. Alterations.

Owner—John Corglat.

Architect—None.

Contractor—John Perona, 570 7th, Okd.

COST, \$495

COMPLETION NOTICES.

Alameda County.

Recorded Accepted
Oct. 4, 1919—S E-FOURTEENTH
adjoining No. 3069 E-14th 50.3x
100.19, Okd. Derby Estate Co to
George H. Lydskan. Oct. 1, 1919
Oct. 2, 1919—LOT 36 BLK 4, Thous-
and Oaks Station Tract, Okd. H
H Schuessler to whom it may con-
cern. Oct. 2, 1919

NOTICE OF NON-RESPONSIBILITY.

Alameda County.

Oct. 7, 1919—N ½ Sbdvn 2 Bk 36
and Sbdvn 3 Bk 97 Map showing
Sbdvns of part town lands of Town
of Newark. William E McDonough
to as to improvements on leased
property

BUILDING CONTRACTS.

Santa Clara County.

COTTAGE & GARAGE
S TWELFTH ST., near Santa Clara.
San Jose. Frame cottage and garage
Owner—Mr. Richards.
Architect—Chas. McKenzie, Bank of
San Jose Bldg., San Jose.
Contractor—J. E. Perkins, 1562 E-
Santa Clara St., San Jose.
COST, \$5800

COTTAGES
EIGHTH AND WILLIAM STS., San
Jose. Three gunite cottages.
Owner—Miss E. Sellner, San Jose.
Architect—S. N. Arnold, 711 Balboa
Bldg., San Jose.
Contractor—Cement Gunite Con. Co.,
711 Balboa Bldg., San Jose.
COST, \$2200 each

REPAIRS, ETC.
NO. 319 S-FIRST ST., San Jose. New
front and repairs.
Lessee—Black Pkg. Co.
Architect—Wallace & Bush.
Contractor—Wallace & Bush, Bank of
San Jose Bldg., San Jose.
COST, \$1200

ALTERATIONS
N-SIXTH ST., China Town. San Jose.
Alterations.
Owner—Wong Chee.
Architect—None.
Contractor—Z. O. Field, Builders' Ex-
change, San Jose.
COST, \$1200

BUILDING CONTRACTS.

Sacramento County.

FRAME RESIDENCE
NO. 1960 THIRTY-SIXTH ST., Sacra-
mento. One-story 5-room frame
residence.
Owner—W. B. Phillips, 4139 4th Ave.,
Sacramento.
Architect—None.
Day's work. COST, \$2000

ALTERATIONS
NO. 1714 FOURTEENTH ST., Sacra-
mento. Build 4 rooms and bath in
basement of residence.
Owner—E. A. Spilman, 1712 14th St.,
Sacramento.
Architect—None.
Contractor—Ed. Harvie, 2421 16th St.,
Sacramento.
COST, \$1000

COMPLETION NOTICES.

Sacramento County.

Recorded Accepted
Oct. 4, 1919—NOS. 1326-28 P ST., Sacra-
mento. L T Black to whom it
may concern. Oct. 1, 1919

NOTICE OF NON-LIABILITY.

Sacramento County.

Oct. 4, 1919—S K STREET bet. 6th
and 7th; No. 620 K St., Sacramento.
Nelle Turton, Kate Turton and
Harriet Knox as to improvements
on leased property

BUILDING CONTRACTS.

San Joaquin County.

ALTERATIONS
N AURORA ST., bet. Miner and Lind-
say Sts., Stockton. Alterations.
Owner—W. R. Bruce, Stockton.
Architect—None.
Day's work. COST, \$1900

BUILDING
NORTH EL DORADO ST., bet. Flora
and Poplar Sts., Stockton. Brick
and frame building.
Owner—J. L. Bernadicon, Stockton.
Architect—None.
Day's work. COST, \$12,200
NOTE:—Permits applied for.

ALTERATIONS
E-WEBER AVE., bet. Sutter and Cali-
fornia Sts., Stockton. Remodel.
Owner—Wilhoit & Douglass, Premises
Architect—None.
Day's work. COST, \$14,000

FRAME DWELLING
NO. 1320 SOUTH STANISLAUS ST.,
Stockton. Frame dwelling.
Owner—C. D. Johnson, Stockton.
Architect—None.
Day's work. COST, \$4200

DWELLING
WEST VINE ST., bet. Monroe and Van
Buren Sts., Stockton. Frame dwell-
ing and garage.
Owner—C. Arata, Stockton.
Architect—None.
Day's work. COST, \$4800

DWELLINGS
WEST JACKSON ST., Stockton. Two
frame dwellings and garages.
Owner—E. M. Cooney, Stockton.
Architect—None.
Day's work. COST, \$2000 each

DWELLING
McCLOUD'S ADDITION, Stockton.
Frame dwelling and garage.
Owner—C. F. Stewart, Stockton.
Architect—None.
Day's work. COST, \$2275

BUILDING CONTRACTS. . . .

Fresno County.

DWELLINGS
S ½ LOT 8 and S ½ Lot 9 Bk 17, Wil-
son Trct, Fresno. Two frame dwell-
ings and garages.
Owner—H. T. Humphreys, 1040 Roose-
velt St., Fresno.
Architect—None.
Day's work. COST, \$3500 each

FRAME DWELLING.

LOTS 12 AND 13 BLK 9, College Ad-
dition, Fresno. Frame dwelling and
garage.

Owner—Budge.
Architect—None.
Contractor—G. C. Cannon, Butler &
S-8th St., Fresno.
COST, \$3000

ALTERATIONS

LOTS 30, 31 AND 32 BLK 83, Fresno.
Alter building.
Owner—Bank & Trust Co., of Central
California, "J" and Mariposa Sts.,
Fresno.
Architect—None.
Contractor—Trewitt & Shields Co.,
Rowell Bldg., Fresno.
COST, \$5000

DWELLING

LOTS 10 & 11 BLK 5, Fresno Heights,
Fresno. Frame dwelling and garage
Owner—Louis Ryan, 1015 Cambridge
St., Fresno.
Architect—None.
Contractor—H. Dickey, 150 Howard
St., Fresno.
COST, \$3500

FRAME COTTAGES

STATIONS 2, 3, 5 AND 6, Fresno. All
work for four 1-story 4-room frame
cottages.
Owner—Associated Oil Co., 614 Rowell
Bldg., Fresno.
Architect—None.
Contractor—J. H. Pelkey, Fresno.
Filed Oct. 2, '19. Dated Aug. 11, '19.
1st payment 75%
When completed 25%
TOTAL COST, \$
Bond, \$2500. Surety, Fidelity & De-
posit Co. of Maryland. Limit, forfeit,
plans and specifications none.

LIENS FILED.

Sacramento County.

Recorded Amount
Oct. 6, 1919—E 20 FEET LOT 2, P,
Q, 5th and 6th Sts., Sacramento.
E E Earle vs Arthur M Para et al
.....\$49.50

AMERICAN LUMBER WANTED IN ITALY.

It is stated by one who is well in-
formed as to the lumber trade of
Italy, and who gave Trade Commis-
sioner Nelson C. Brown considerable
information during his investigation
here last year, that the Italian market
is practically bare of lumber at the
present time and that pitch pine es-
pecially is in demand, writes Trade Com-
missioner H. C. MacLean from Rome,
August 20, 1919. Efforts have been
made by Italian dealers to supply their
needs from Austria, which previous to
the war furnished the bulk of the
lumber imported into Italy, but it has
been found impossible to obtain ship-
ments of any large quantities. It ap-
pears that Austrian competition need
not be feared for some time to come
and that the time is ripe for American
firms to enter the market.

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At an all-day meeting at Florence,
Arizona, the citizens of Pinal County
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QUARTERED OAK-
WYSLUCK BENDING OAK
DOPLAR-WALNUT



BOXWOOD-EBONY-IRONBARK
JENISERO-KOA-SPANISH CEDAR
LIGHTUMVITAE-MAHOGANY
ROSEWOOD-TEAK-RICE BEAN
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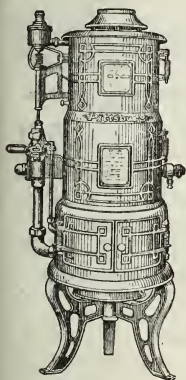
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J. P. FARRELL.....Exchange Editor

American Association of Engineers

NEWS FROM NATIONAL HEAD-QUARTERS.

The American Association of Engineers announces the appointment of H. G. Shirley, of the Highways Industries Association in Washington, as corresponding highway member of the Committee on Salaries of Engineers in Public Service, of which A. N. Johnson, consulting highway engineer of the Portland Cement Association, is chairman. Mr. Shirley's appointment was inadvertently omitted from the previous announcement.

The corresponding highway members, in addition to Mr. Shirley, are: Thos. H. McDonald, chief of U. S. Bureau of Public Roads; W. L. Passot, Bureau of Municipal Research, New York; Col. W. D. Uhler, chief engineer, Pennsylvania State Highway Department; A. B. Fletcher, State Highway Engineer of California; A. W. Dean, chief engineer, Massachusetts Highway Commission, and Clifford Older, chief engineer Illinois State Highway Department.

Plastering the words "Bridge Engineer" across its entire front page, the Portland (Oregon) Telegram announces the opposition of engineers of Multnomah County to the appointment of an eastern bridge engineer to design and construct several bridges in the city of Portland. The estimated cost of the bridge program is between 2½ and 5 millions. A number of Portland engineers appeared before the Board of County Commissioners and registered a protest against the plan to engage a Kansas City bridge firm to carry out the work. As a result of the protest the Board of Commissioners asked the engineering societies of Portland to recommend an Oregon engineer who, in their estimation, is competent to undertake the entire program.

One can obtain a good conception of the remarkable growth of the American Association of Engineers during the last year, when it is known that the number of paid employees at the national headquarters of the Association has grown in that time from four to sixty.

The Baltimore Chapter of the American Association of Engineers presented to the Board of Estimates of the City of Baltimore, under date of September 27, a report of the compensation committee of that Chapter on salaries of engineer employees of the city with the request that the board analyze the situation and take such action as seems advisable.

The schedule recommended covers more than sixty grades of engineer employees of the city. It recommends an increase for the chief engineer of at

least \$2,500 to bring his salary to a minimum of \$10,000 per annum, with a maximum of \$15,000. Some of the other recommendations are tabulated below:

Present Title.	Present Ann'l Salary	Ann'l Salary Recommended by Com. Min.	Max.
Highway Engineer, Water Engineer, Harbor Engineer, Chief Engineer Paving Commission and Inspector of Buildings.....	\$4,000	\$5,000	\$7,500
Division Engineer of Sewers.....	3,300	3,600	5,000
Principal Ass't Engineer Water Dept.....	3,000	3,600	5,000
Mechanical Engineer Water Dept.....	2,700	3,600	5,000
Assistant Engineer Water Dept.....	2,200	2,700	3,300
Assistant Engineer of Bridges and Improvements, Highway Dept.....	2,000	2,700	3,300
Designing Engineer Water Dept.....	1,800	2,700	3,300
Assistant Engineer, Grade AA, Water Dept.....	2,000	2,400	3,000
Office Engineer, Paving Commission.....	2,000	2,400	3,000
Field Engineer, Highway Dept.....	1,500	2,400	3,000
Draftsmen, All Depts.....	1,500 Max.	1,500	2,100
Instrumentmen, All Depts.....	1,200	1,500	2,100
Rodmen, All Depts.....	1,020	1,200	1,500
Tracers, All Depts.....	840 Max.	1,080	1,200
Chainmen, All Depts.....	900 Max.	1,080	1,200

RAILROAD COMMISSION.

Case 1378: Whether it is legally bound to pay a surcharge to the Southern Sierras Power Company 2 mills or 2½ mills upon electrical energy purchased by the City of Redlands is presented in a case filed with the Railroad Commission today by the city against the company. The city alleges that it is a municipal distribution system and, as such, is entitled to the rate of a 2 mills surcharge instead of the higher rate charged to other purposes. The city of Redlands says that the company is demanding payment of 2½ mills which the city has refused to pay.

App. 5043: A new power development in Ventura County by which 35,000 horsepower is to be developed and 100,000 acre feet of water is to be preserved for irrigation purposes is disclosed in the application, filed with the Railroad Commission, of the Sespe Light and Power Company for a certificate of public convenience authorizing the project.

The application of the company is signed by Frank Buren, President, and the application represents that the preliminary costs for surveys and such work aggregating \$100,000 will be paid from funds provided by the principal stockholders of the company. At the proper time, the applicant states, requests for issuing bonds and preferred stock will be made to complete the financing of the aggregate, which is not stated in the petition.

Applicant states that in addition to the power development, there are 100,000 acres of fertile lands in the valleys adjacent to the site which urgently need water, and that the very fact of its storage will prevent great flood losses. The scope of the project is thus stated in the application.

"That the said first unit of the project consists of two reservoirs with a combined capacity of approximately 51,000 acre feet, 46,000 feet of power conduit, 3,000 feet of pressure pipe, 1,000 feet head and a 10,000 kilowatt power plant, to be later increased to 18,000 k. w. when unit No. 2 is built, the whole thereof shown on the "key map" on file with the U. S. Forest Service, copy of which, as referred to below, is attached hereto and marked "Exhibit C." The second unit contemplates 100,000 acre feet of storage on the Piru watershed, 90,000 feet of conduit, 4,000 feet of pressure, 2,300 feet head, 8,000 k. w. installation at power plant No. 2, and the increasing of plant No. 1 by 8,000 k. w. as aforesaid, all of which, in connection with the whole project, is shown in the general map herewith marked "Exhibit D." A third unit or complete development of the project contemplates additional storage, either on the upper Sespe or at desirable sites in the irrigation area, to enable the delivery of the full 100,000 acre feet per annum of water for irrigation, the approximate location of which is also shown on the general map above referred to as "Exhibit D."

Apps: Merced County's surveyors

have asked permission of the Railroad Commission to establish highway crossings at grade over three points on the Santa Fe Railroad Company near Merced.

Dec. 755: An increase in rates to be charged by the East Bay Water Company for all classes of service in its territory were authorized by the Railroad Commission in a decision, October 11. The company is allowed to impose a surcharge of 10% upon all charges, the surcharge to be applied to all bills accruing after September 30th last. By this decision the company's revenues are to be increased in gross \$220,000.

The decision also imposes the following fee protection charges against the municipality treasuries of the cities named: Alameda, \$22,000; Albany, \$1,000; Berkeley, \$43,000; Emeryville, \$2,000; Oakland, \$105,000; Piedmont, \$5,000; Richmond, \$11,000; San Leandro, \$2,500; El Cerrito, \$308.

These charges were imposed July 1, 1918, and were suspended for a year because of the inability of the cities to finance them. They are applicable to the cities for the year beginning July 1, 1919. These charges were made by most of the cities with opposition on the ground that the cost should be collected in general rates upon all consumers and not from the public treasury, and it was also contended that municipal budget could not be arranged to finance these payments out of the public treasury. The Commission, however, holds that they are proper charges and must be made by the municipalities.

The application of the East Bay Company for increased rates was attacked by the East Bay Cities on the ground that economies of operation could be adopted, principally the elimination of pumping of underground supplies. The Commission finds that this economy was based upon the expectancy of ample rainfall, but it is decided that the necessities of the entire industrial activities of the east bay cities and the welfare of the population of approximately 400,000, are so dependent upon this water supply that it would be inadvisable for the East Bay Water Company to operate its system in any other manner than one which gives absolute assurance of sufficient water. For this reason the company is ordered to continue the operation of its pumps and is required to submit a monthly statement to the Commission showing the quantity of available impounded water, the draft upon sources of supply and the consumption.

Another point of objection on the part of the east bay cities was the payment of taxes upon the large water shed owned by the company. The Commission finds that as the large water shed area was procured by the predecessors of the present company, who acquired these lands upon urging of east bay municipalities, they could not be legally excluded from a rate basis nor could the company be forced, without hardship upon the utility, to sell them. The Commission finds that the gross revenue of the company from existing rates for the year July 1, 1919, to July 1, 1920, will be \$2,000,000 and that this revenue will be practically \$350,000 less than the annual charges sustained by the company in its testimony. The rates fixed for municipal

service will produce \$130,000 and the remaining \$220,000 is to be produced by the surcharge, which is 10 per cent of the present gross revenue.

The decision says that it is convinced from the showing made that it is necessary to at least temporarily increase the revenue of the East Bay Water Company, and that such increase should be made by imposing a percentage surcharge on all rates.

With slight readjustment, unimportant in detail, the decision sets out the rates of the company.

In keeping with the assurance of its representatives to the Railroad Commission, the members of Amalgamated Association No. 192 of the street and railway employees at a meeting this morning (October 11) in Oakland agreed to return to work on all Key Route lines, and by noon the great system that had been paralyzed by the strike for more than ten days, resumed its normal service.

The resumption of service was the direct result of intervention in the situation by the Railroad Commission on behalf of the public, whose interests, inconvenience and losses had been lost sight of in the conflict between the strikers and the Key Route Company. Never before has the Railroad Commission attempted conciliation between a public utility and its employees in a labor dispute, and it began this effort only when all ordinary means had been exhausted without success.

The Commission did not intervene in the sense of legal regulation, but wholly because it deemed the situation so acute that further conflicts and the presence of soldiers and a general strike loomed on the horizon, and the interests of the public would be swallowed up in a "fight to the finish" between the company and its men.

It is the first time in the regulation of California utilities that the Commission has represented unorganized public interests in this way. As a rule the Commission has declined to participate in disputes of this character, and has confined its duties entirely to the legal and administrative work of regulation of service and rates alone.

It is not likely that such a crisis would soon again appear or that the Commission would feel justified to similar action in another case less ominous.

In representing to the disputing company and its employees (who number nearly 1200) the demand for consideration of the public, the Commission directed the attention of the disputants away from each other and gave them a new angle from which to view conciliation. Recognizing this new view both sides met the Commission's efforts in good spirit and by progressive conferences, first with one side and then with the other, the Commission was finally able to arrange a joint meeting on Friday afternoon where the basis of agreement was reached. This was:

That the men return to work under the same status as of September 30th, when the strike began, and that all other points be left to a board of arbitration. Both parties agreed to abide by the award of the board of arbitration.

The status of September 30th was fixed by a contract between the company and the street car men's union, and the settlement restores these con-

tractual rights and obligations to both parties during the pendency of the arbitration.

The settlement ends a period of disorder in the city of Oakland, during which many lives were lost and many injuries done, and prevents the extension of the strike in other lines and eliminates all probability of any sort of military intervention to restore public order. In addition it brings the disputants before a tribunal which will adjust the causes of dispute judicially and with binding effect and, in the meantime, the public of Oakland, the most interested party in the whole affair, will enjoy its right of transportation in safety.

STATE LAND SETTLEMENT BOARD ASKS FOR LAND FOR EX-SERVICE MEN.

That fifty of the sixty-three tracts of land, varying in area from 4,000 to 12,000 acres, offered to the State Land Settlement Board in response to its invitations for offers some months ago are suited to settlement and would be settled by the 1,000 ex-service men who have already applied for farms, is the opinion of Dr. Elwood Mead, Chairman of the Board and Professor of Rural Institutions in the University of California.

It is impossible, however, according to Professor Mead, now to buy more than one or two tracts, since the Land Settlement Board's funds are restricted at the present time to the million dollars appropriated by the last legislature. "This will not go very far," declared Dr. Mead.

The lands offered to the Board are now not cultivated at all or are cultivated by tenants. "The benefits that would come to this State and the addition to its social and political strength from peopling these tracts with families wedded to the soil and making a good living as the settlers at Durham are doing, can scarcely be overstated. It would lessen the dangers of non-resident ownership, or tenantry and alien control of the land which now confront the State," said Professor Mead.

Chairman Mead states that it is a matter of regret that a year has to elapse before the bond issue of \$10,000,000 can be voted on. Already there are on file in the two offices of the State Land Settlement Board, at Durham and Berkeley, applications for farms from about 2,000 people, about half of these being from ex-service men.

UNITED STATES CIVIL SERVICE EXAMINATIONS.

Senior Structural Engineer, Grade 1
(Male), \$3,000 to \$4,000 a Year.
Senior Structural Engineer, Grade 2
(Male), \$1,800 to \$2,700 a Year.
Senior Mechanical Engineer, Grade 2
(Male), \$1,800 to \$2,700 a Year.
Interstate Commerce Commission.
November 11, 1919.
Highway Engineer (Male), \$1,800-\$2,400
November 18, 1919.

Applicants should apply at once for Form 1312, stating the title of the examination desired to the Civil Service Commission, Washington, D. C., or Post Office, San Francisco.

ADVANCE NEWS

Official Proposals, Etc.

BUILDING.

APARTMENT HOUSES

Plans Being Prepared.
APARTMENTS, ETC. Cost, \$—
BURLINGAME, San Mateo Co., Cal.
Burlingame Avenue.
Two-story brick or concrete store and
apartment building, 1 or 2 stores
and 4 3-room apts.
Owner—Dr. A. L. Offield and Harry L.
Miller, Burlingame.
Designers—Lange & Bergstrom, Mo-
nadnock Bldg., San Francisco.

Ready for Figures Shortly.
APARTMENTS Cost, \$50,000
SAN FRANCISCO. S Jackson E of
Powell Street.
Three-story brick apartments.
Owner—M. and S. Spiro and S. Heiman
Architect—S. Heiman, 57 Post St., San
Francisco.

Plans Being Prepared.
APARTMENTS, ETC. Cost, \$50,000
MODESTO, Stanislaus Co., Cal. 11th
Street bet. "I" and "J" Sts.
Three-story reinforced concrete stores
and apartments or hotel.
Owner—C. R. Tillson, 1421 "J" St., Mo-
desto.
Architect—Not Given.

Plans Being Figured.
APARTMENTS Cost, \$30,000
SAN FRANCISCO. SE O'Farrell and
Octavia Streets.
Three-story and basement frame
apartments (18 2-room apts).
Owner—Withheld.
Architects—O'Brien Bros., 240 Mont-
gomery St., San Francisco.

BANKS

Ready for Figures in About 30 Days.
BANK BUILDING Cost, \$75,000
HEALDSBURG, Sonoma Co., Cal. West
Street near Powell.
One-story brick bank building, 62x100.
Owner—Healdsburg National Bank.
Architect—Frederick H. Meyer, Bank-
ers' Invst. Bldg., San Francisco.

MERCED, Merced Co., Cal.—Novem-
ber 25th is the date set by the County
Supervisors at which time an election
will be held for the formation of the
Merced Irrigation District under which
it is planned to plant 173,420 acres
under irrigation.

BONDS.

MADERA, Madera Co., Cal.—Bids
will be received by the County Super-
visors up to November 4th, 10 A. M.,
for the purchase of the recently voted
\$100,000 bond issue which will finance
construction of a new high school
building, plans for which have been
completed by Architects Swartz &
Swartz, Rowell Bldg., Fresno.

TRACY, San Joaquin Co., Cal.—The
present grammar school being over-
crowded the City School Trustees
have decided to call an election to vote
bonds with which to finance construc-
tion of two new schools, one for the
south and one for the west portion of
the city.

The amount of the issue has not yet
been determined, but immediate action
is expected as it is the intention to
have the structures completed for the
first term in 1920.

SACRAMENTO, Cal.—State Treasur-
er Richardson announced that \$4,000-
000 worth of State bonds will be of-
fered for sale by him on November 6.
The sale will include \$1,000,000 worth
of 4 per cent San Francisco harbor
improvement bonds, and \$3,000,000
worth of 4½ per cent highway bonds.
The last Legislature passed an act
permitting the sale of the harbor
bonds at not more than 5 per cent dis-
count.

PASCO, Wash.—Bonds of \$400,000
have been voted in the Burbank Irriga-
tion District, the money to be used
in lining 18 miles of canals with con-
crete, the installation of two addi-
tional pumping units and other im-
provements. Nine thousand five hun-
dred acres are included in the district,
a large part of which is already under
development.

SAN MATEO, San Mateo Co., Cal.—
The City Trustees have set November
10th as the date to bond the city for
\$438,000 for improvements as follows:
Purchase of modern fire truck, \$14-
000.
Four circuit fire alarm system, \$24-
000.

Purchase of the Peninsula Water
Company's properties and the estab-
lishment of a municipal water plant,
\$400,000.

OKANOGAN, Wash.—Bonds of \$8-
500,000 were voted at a recent election
for improvements planned by the Meth-
ow-Okanogan Reclamation District.
The issue was approved by a vote of
473 to 4. The proposition of levying
a special assessment on the district
for \$12,500 for preliminary extension
was also carried. The proposed pro-
ject has already been approved by the
State Irrigation Commission.

WOODLAND, Yolo Co., Cal.—The
County Supervisors have sold \$1,000-
000 worth of county highway bonds to
the Bank of Italy, who offered a
premium of \$29,888.

HANFORD, Kings Co., Cal.—The
School Trustees have set November
4th, as the date to decide the question
of issuing bonds of \$115,000 with
which to finance construction of school
improvements.

Two new buildings to cost \$45,000
each are planned, the balance to be ex-
pended on additions to the present

buildings. The new buildings will be
one-story in height and will be of
brick construction with a stucco ex-
terior finish.

TURLOCK, Stanislaus Co., Cal.—The
City Trustees have voted to call an
election to decide the question of is-
suing bonds of \$60,000 to finance con-
struction of an extension to the pres-
ent sewer system. The proposition to
vote \$20,000 additional for a city hall
was postponed to a later date.

LIVERMORE, Alameda Co., Cal.—
The City Trustees are preparing to
call an election to vote bonds of \$10-
000 with which to purchase a fire en-
gine and the installation of a modern
fire alarm system. November 11th is
the date for the election. Elmer G.
Still is City Clerk.

LOS GATOS, Santa Clara Co., Cal.—
November 7th is the date set by the
City Board of Education to decide the
question of issuing and selling bonds
of \$60,000 with which to erect addi-
tional buildings to the present gram-
mar school.

MODESTO, Stanislaus Co., Cal.—The
County Supervisors have sold the \$11-
000 bond issue of the Mitchell School
District, which will finance construc-
tion of a new school building.

HAYWARD, Alameda Co., Cal.—The
City Trustees have postponed the pro-
posed water and sewer bond election
for \$55,000 from November 11th to
November 18th, owing to the 11th
being Armistice Day.

MODESTO, Stanislaus Co., Cal.—
Bids will be received by the County
Supervisors, H. Benson, County Clerk,
up to October 30th, 10 A. M., for the
purchase of the \$6,000 bond issue of
the Union School District, proceeds of
which will be used to finance con-
struction of new schools.

CHURCHES

Plans to be Prepared.
CHURCH Cost, \$60,000
BAKERSFIELD, Kern Co., Cal.
Fireproof church.
Owner—The Christian Church of
Bakersfield. Rev. Frank W. Zook,
1510 "H" St., Bakersfield.
Architect—Not Given.

Figures Being Taken For Heating
System.
CHURCH Cost, \$60,000
VALLEJO, Solano Co., Cal. Virginia
Street.
Brick Church Building.
Owner—Methodist Episcopal Church
of Vallejo.

Architect—Willson J. Wythe, Central
Bank Bldg., Oakland.
Figures for the general construction
are under advisement and a contract
will be awarded as soon as the ap-

proval is sent from the East. Figures are now being taken on the heating system.

Plans Complete and Awaiting Approval
CHURCH Cost, \$25,000
STOCKTON, San Joaquin Co., Cal.
Brick on concrete church.
Owner—Clay Street Methodist Church.
Architects—Wright & Sala, Bank of Italy Bldg., Stockton.

NOTE—The building committee consists of Walter Archibald, chairman; C. C. Henderson, C. N. Barnett, Charles Boudan, J. T. Moore and Daniel Warner.

Plans Being Prepared.
CHURCH Cost, \$45,000
CALEXICO, Imperial Co., Cal.
Frame and stucco church (50x112).
Owner—First M. E. Church of Calexico.
Architect—Arthur G. Lindley, 905 Wright & Callender Bldg., Los Angeles.

Plans Being Prepared.
CHURCH Cost, \$75,000
TAFT, Kern Co., Cal.
Two-story and basement frame and plaster church building and community center building.
Owner—First Methodist Episcopal Church of Taft.
Architect—Arthur G. Lindley, 904 Wright and Callender Building, Los Angeles.

COURTHOUSES

MARTINEZ, Contra Costa Co., Cal.—The following bids received by the County Supervisors, J. H. Wells, County Clerk, for painting the County Courthouse have been taken under advisement:

I. R. Kissell.....	\$2,700
D. Zelinsky & Sons.....	2,682
Burdon & Kirkhouse.....	2,475
A. R. Quandt & Sons.....	2,650

MARTINEZ, Contra Costa Co., Cal.—The Supervisors have awarded a contract to G. L. Tyler, of Pittsburg, for painting the roof of the County Courthouse, he being the only bidder at \$1,140.

HOLLISTER, San Benito Co., Cal.—The County Supervisors, Elmer Dowdy, County Clerk has awarded a contract to W. I. McReynolds for the improvement of the Hollister and Cienega Road from Engineer's Survey Station 0100 to Engineer's Survey Station 127-00 in Supervisor District No. 3.

FACTORIES AND WAREHOUSES.

Contract Awarded. Construction to Start Shortly.
WAREHOUSE Cost, \$—
CROCKETT, Contra Costa Co., Cal.
Two-story steel and concrete warehouse.
Owner—California & Hawaiian Sugar Refining Co., 230 California St., San Francisco, and Crockett.
Architect—Eng. Dept. of Owner.
Contractor—Lindgren Co., Monadnock Bldg., San Francisco.

Plans to be Prepared.
FACTORY Cost, \$100,000
EMERYVILLE, Alameda Co., Cal.
Two-story brick factory building.

Owner—American Rubber Co., 356 Market St., San Francisco.
Architect—Washington J. Miller, 417 Market St., San Francisco.

COBURN, Monterey Co., Cal.—H. B. Douglas, Kirk Bldg., King City, has been awarded the contract by the Switzer-Meyenberg Co., of Coburn, for the erection of the following additions at the company's plant:

Boiler room, 50x60.
Refrigerating room, 28x30.
Manufacturing room, 50x75. In addition to the above improvements the erection of a lavatory and office building is also planned.

The contract for the sewer system in connection with the improvements has been awarded to Jones & Drucker of San Francisco. More than 7600 feet of eight inch pipe will be installed.

Plans Being Prepared.
WAREHOUSE Cost, \$15,000
NEAR SAN JOSE.
One-story reinforced concrete warehouse.
Owner—Withheld.
Contractor—Louis Theo. Lenzen, 110 S. Second St., San Jose.

Plans Being Prepared.
CANNING PLANT Cost, \$250,000
SACRAMENTO, Cal.
Packing and canning plant.
Owner—Withheld.
Engineers and Architects—Wallace & Bush, Bank of San Jose Bldg., San Jose.

Segregated Figures Being Taken.
ADDITION Cost, \$60,000.
SAN FRANCISCO, W Capp 100 S 16th.
Six-story brick addition for warehouse, 50x105.
Owner—Lachman Bros., Furniture Co., Mission and 16th Sts., San Francisco.
Architect—S. Heiman, 57 Post St., San Francisco.

Brick work awarded to H. E. Drake for \$9,000.

MODESTO, Stanislaus Co., Cal.—Bids will be received by the County Supervisors up to October 30th, 10 A. M. for the construction of storage warehouse on the County Hospital grounds. The building will be galvanized iron and will house road department tools, machinery and supplies and will cover an area of 60 by 100 feet.

GUSTINE, Merced Co., Cal.—The Cannon-Phillips Co. of North Sacramento, has been awarded a contract by the Carnation Milk Products Co., Seattle, Wash., for furnishing and delivering tile for the proposed \$250,000 milk plant planned by the Carnation Company at Gustine, Merced Co. The building will be of reinforced concrete construction. The tile contract awarded calls for about 100,000 tons. W. N. MacBriar is Chief Engineer for the Carnation Company and maintains offices with the company in Seattle.

Plans Being Prepared.
MANUFACTURING PLANT Cost, \$100,000.
MODESTO, Stanislaus Co., Cal. Tenth Street.
Milk products manufacturing plant.
Owner—Milk Producers Association of

Central California (Chas. Geer, President, Modesto.)

OAKLAND, Cal.—H. E. Woolner, 149 California Street, San Francisco, has returned from the Los Angeles offices of the Western Milling Company and states that immediate construction of the proposed plant in Oakland is assured.

Sketches for the first unit of the plant, which will cost about \$500,000, have been submitted by engineers and the selection of one will be made in the near future.

The proposed plant will be located on a recently purchased five-acre tract on the Tidal Canal in East Oakland. Construction will be mostly of reinforced concrete.

Plans Complete. To be Done by Sub-Contracts.
WAREHOUSE Cost, \$—
LOS ANGELES, Cal. Hewitt Street near Palmetto Street.
Three-story and basement reinforced concrete warehouse, 70x140.
Owner—Barker Bros. Furniture Co.
Architect—W. J. Saunders, 229 Laughlin Bldg., Los Angeles.

Bids Under Advisement. Bids For Heating and Ventilating Being Taken.

FACTORY Cost, \$40,000
PORTLAND, Ore. York and Guild Sts.
Two-story brick and concrete factory, 100x150.
Owner—Pettit Feather & Bed Co., Portland, Ore.
Architect F. Manson White, Chamber of Commerce Bldg., Portland.

LONG BEACH, Los Angeles Co., Cal.—The California & Mexican Steamship Co. contemplates building a warehouse to cost \$250,000 near the western end of the Long Beach Shipbuilding Company's plant. The first freight steamer for the company is now being built at the Long Beach shipyard. John F. Craig, C. A. Wiley and C. F. Van de Water of Long Beach; R. B. Sawney of San Francisco, and State Senator J. A. Rominger are directors of the steamship company.

Contract Awarded.
WAREHOUSE Cost, \$60,000
BERKELEY, Alameda Co., Cal. Berkeley Way E of Shattuck Avenue.
Three-story reinforced concrete warehouse.
Owner—Roy O. Long, 2146 Shattuck Ave., Berkeley.
Designer & Contractor—Nelson & Forsythe, 565 16th St., Oakland.

Contract Awarded.
FACTORY BLDGS. Cost, \$—
SAN FRANCISCO. Twenty-third and Kansas Streets.
Two steel and mill construction factory buildings; one four stories, 182x36 and the other 3 stories, 100x34.
Owner—Bass-Hueter Paint Co.
Designer & Contractor—The Foundation Co., 58 Sutter Street, San Francisco.

MARTINEZ, Contra Costa Co., Cal.—A contract covering \$200,153 worth of improvements for the Associated Oil Company has been filed with County Recorder M. H. Hurley at Martinez. The contractor is the Lacy Construc-

on Co., Claus Spreckels Bldg., San Francisco, whose contract covers the following units of the proposed improvements planned by the company which will total \$2,500,000.
 8 long stills; 1-600 barrel agitator; 2 90 barrel agitators; 5-500 barrel tanks; 6-1000 barrel tanks; 6-2000 barrel tanks; 4-5000 barrel tanks; 3-10,000 barrel tanks; 1-25,000 barrel tank; 4-60 barrel watertop tanks; 2-10,000 barrel watertop tanks; 1-250 barrel id tank; 1-100 barrel lye tank; 2-4 compartment condensor box; 1-5 compartment condensor boxes; 1-8 compartment condensor boxes.
 Construction work will be under the supervision of Jos. Marwick.

FIRE HOUSES AND JAILS

Contract Awarded.
 FIRE HOUSE, ETC. Cost, \$31,250
 REDWOOD CITY, San Mateo Co., Cal. Two-story reinforced concrete fire house and memorial hall.
 Owner—City of Redwood City.
 Architect—J. R. Miller, Lick Bldg., San Francisco.
 Contractor—Fred Warden, 354 Sussex St., San Francisco.

CHICO, Butte Co., Cal.—Geo. D. Huditt, California Fruit Bldg., Sacramento, submitted the only bid to the City Trustees for altering the two-story brick fire house at Chico, from plans prepared by Architect Chester Cole, Waterlund-Breslau Bldg., Chico he bid was \$2,700 and covers common brick and carpentry work.

Contract Awarded.
 GARAGE Cost, \$6,000
 SAN FRANCISCO. Hoff Ave. near 16th Street.
 One-story reinforced concrete garage wner—Withheld.
 Architect—Arthur S. Bugbee, 316 Sharon Bldg., San Francisco.
 Contractor—Adam Arras, 65 Hoff Ave., San Francisco.

Plans Being Prepared.
 GARAGE Cost, \$50,000
 SAN FRANCISCO. Location Withheld. One-story and basement reinforced concrete garage.
 Owner—Withheld.
 Architect—Arthur S. Bugbee, Sharon Bldg., San Francisco.

FLATS

Contract Awarded.
 FRAME FLATS Cost, \$12,500
 SAN FRANCISCO. S Green Street W of Powell Street.
 Two-story and basement frame (4) flats, 2 4-room and 2 5-room flats.
 Owner—Fred Marra.
 Architect—C. Fantoni, 550 Montgomery St., San Francisco.
 Contractor—G. B. Pasqualetti, 32 Harwood St., San Francisco.

GARAGES

To be Done by Day Labor.
 GARAGE Cost, \$50,000
 SEATTLE, Wash. NE 7th Avenue and Cherry Street.
 Three-story and basement brick garage, 120x50.
 Owner—J. W. O'Heren, 201 Central Bldg., Seattle, Wash.

Architect—Warran H. Milner, Haight Bldg., Seattle, Wash.

Plans Being Figured.
 GARAGE Cost, \$34,000
 PORTLAND, Ore.
 Two-story and basement brick and concrete garage, 100x100.
 Owner—Portland Lodge of Elks, Portland, Oregon.
 Architects—Houghtaling & Dougan, Henry Bldg., Portland, Oregon.

SAN FRANCISCO.—Architect S. Heiman, 57 Post Street, has awarded a contract to John Spargo, 240 Montgomery Street, at \$1,850 for the concrete work in connection with the construction of a one-story brick auto repair shop on the north side of Post street west of Leavenworth for Goldberg-Bowen Co.

SAN FRANCISCO.—Following bids were received by the Board of Public Works for the construction of a garage building in connection with the alterations at the Central Fire Alarm Station:
 Wm. Bruce, \$4,300; Item A, \$100; Item B, \$135; Item C, \$150; Item D, \$180.
 Alfred H. Vogt, \$3,343; (A) \$269; (B) \$385; (C) \$360; (D) \$397.

RENO, Nevada.—Bids will be received by Architects Ferris & Malsbary, Colonial Hotel, Reno, Nevada, up to November 15th, 12 M., for the construction of a garage building on the county jail grounds in Reno for the county of Washoe, of which E. H. Beemer is County Clerk.

Contract Awarded.
 GARAGE Cost, \$3,500
 STOCKTON, San Joaquin Co., Cal. North Hunter St., bet. Rose and Vine.
 One-story concrete (blocks) public garage.
 Owner—Miss Mary Heffernan, Stockton
 Architect—Not Given.
 Contractors—Thornton & Fermo, Stockton.

Contract Awarded.
 GARAGE Cost, \$10,000
 SAN MATEO COUNTY.
 One-story frame and plaster garage.
 Owner—J. W. Lowe.
 Architect—Chas. E. J. Rogers, Phelan Bldg., San Francisco.
 Contractor—Chas. Peterson, San Mateo

GOVERNMENT WORK AND SUPPLIES

C. L. Wold, 40 Montgomery Street, San Francisco, has been awarded the contract for the construction of the U. S. Hospital Buildings at Pearl Harbor. The bid was: Item (1) \$363,889, 270 days; (2) \$314,104; (3) \$51,500; (4) \$30,547.

FRESNO. Fresno Co., Cal.—J. W. Roberts, Superintendent of Public Buildings, with offices in the Post Office Bldg., San Francisco, is in Fresno looking over sites for the proposed \$750,000 post office building for which a bill asking an appropriation for that amount is being considered by Congress.

HALL AND SOCIETY BUILDINGS.

Plans Being Prepared.
 LODGE BLDG. Cost, \$—
 PHOENIX, Ariz.
 Fireproof lodge building, 124x125. (In the style of the ancient Persian temples).
 Owner—El Zaribah Temple, Phoenix.
 Architect—Lescher & Kibbey, Phoenix, Ariz.

HOSPITALS

VENTURA. Ventura Co., Cal.—Edward C. English, 508-10 Citizens National Bank Bldg., Los Angeles, submitted the lowest bid at \$99,000 and will probably be awarded the general contract for the erection of the proposed Ventura county hospital in accordance with plans and specifications by Architect A. C. Martin, 430 Higgins Bldg., Los Angeles. Bids were taken only for the general work which does not include plumbing, heating, plastering, interior finish, painting, elevator and dumb waiter, marble and tile work, electric wiring and fixtures. Other bids received were: T. E. Hill & Co., Los Angeles, \$104,272; J. M. McDonald, Los Angeles, \$105,800; Los Angeles Planing Mill Co., \$109,990; C. J. Kubach Co., Los Angeles, \$104,272.

Contract Awarded. Ready to Start Work.
 ADDITIONS Cost, \$73,850
 WEIMAR, Placer Co., Cal. Near Weimar.
 Additions to tuberculosis sanatorium.
 Owner—Counties of Amador, Colusa, Contra Costa, El Dorado, Placer, Plumas, Sacramento, Sutter, Tuolumne, Yolo and Yuba.
 Architect—R. A. Herold and J. E. Stanton, Forum Bldg., Sacramento.
 Contractor—Wm. C. Keating, Forum Bldg., Sacramento.

Plans Being Prepared.
 ADDITION Cost, \$75,000
 SEATTLE, Wash.
 Two-story brick addition for Children's Infirmary.
 Owner—Seattle Children's Orthopedic Hospital, Seattle, Wash.
 Architect—A. H. Albertson, 725 Henry Bldg., Seattle, Wash.

OAKLAND, Cal.—Bids will be received by County Clerk Geo. E. Gross, up to November 3rd, 10 A. M., for the alteration and repairs to certain buildings at the Alameda County Hospital near San Leandro. Work consists of moving and altering two tubercular ward buildings.
 Plans were prepared by Architect H. H. Meyers, Kohl Bldg., San Francisco.

HOTELS

Plans Being Prepared.
 HOTEL, ETC. Cost, \$600,000
 SAN FRANCISCO. S Market bet. New Montgomery and Annie Streets.
 Nine-story Class "A" addition to hotel, alter for candy and drug stores; wine cellar into candy factory; alter corner of Jessie and Annie streets into theatre, and extensive alterations to interior.
 Owner—Palace Hotel, (D. M. Linnard et al), Mr. Manwaring, Resident Manager.

Architect—G. W. Kelham, Sharon Bldg., San Francisco.

Mr. Manwaring started Tuesday that construction would start in the immediate future.

Plans Completed.

HOTEL Cost, \$82,000
HEPPNER, Oregon.
Three-story and basement brick hotel (60x126)

Owner—Heppner Hotel Co., C. L. Sweek, Secretary, Heppner, Ore.
Architect—John V. Bonnes, Chamber of Commerce Bldg., Portland.

Plans Being Figured.

HOTEL Cost, \$65,000
LOS BANOS, Merced Co., Cal.
Two-story hollow tile hotel (70 rooms).
Owner—Withheld.
Architect—C. H. Skidmore, New Call Bldg., San Francisco.

Plans Being Prepared.

HOTEL Cost, \$50,000
UNION, Oregon.
Two-story brick hotel (40 rooms and 20 bath rooms).
Owner—Withheld.
Architects—Tourtellotte & Hummel, McKay Bldg., Portland.

POWER PLANTS

BISHOP, Inyo Co., Cal.—Preliminary work for the Southern Sierras Power Company's new plant on Bishop creek has progressed this season. Grading for a 51-in. flow line 14,000 ft. long from Sabrina to the proposed power plant site has been started. Another flow line 6 miles long from South lake, or Hillside reservoir will be built.

PUBLIC BUILDINGS

FRESNO, Fresno Co., Cal.—Bids will be received by City Clerk Chas. Dillon, up to November 3rd, 9 P. M., for the construction of a garage and barn on Lots 27, 28 and 29 in Block 40, City of Fresno. Plans may be had from the City Clerk.

SAN ANDREAS, Calaveras Co., Cal.—The Supervisors, A. W. Poe, County Clerk, has awarded a contract to M. J. Hertzog of San Andreas for the erection of a frame laundry building at the County Hospital Grounds, he being the only bidder at \$1,810.

SAN MATEO, San Mateo Co., Cal.—Only one bid was received by the City Trustees for painting, tinting, etc., on the City Hall Building and this was rejected. Specifications will be revised and new bids called within one week.

FRESNO, Fresno Co., Cal.—Building Inspector N. E. James has presented plans and specifications to the County Supervisors for the construction of a public comfort station in the Court-house Square. The building is estimated to cost about \$25,000 and its erection is being backed by the Fresno Chamber of Commerce.

SACRAMENTO, Cal.—The following contracts have been awarded for work in connection with the State Building to be erected in the San Francisco Civic Center:

Excavation work to Maurice Dillon,

180 Jessie St., San Francisco, at \$26,500; 75 days.

Erection of Structural Steel and Iron to C. A. Blume, San Francisco, at \$14,250; 35 days.

Plans were prepared by Architects Bliss & Faville Bldg., San Francisco.

Plans to be Prepared.

MEMORIAL HALL Cost, \$60,000
MARTINEZ, Contra Costa Co., Cal.
Fireproof Memorial Hall.
Owner—Henry McNamara Post, American Legion, Martinez, Cal.
Architect—Not Yet Selected.

Building Committee is composed of A. A. McMahon, Louis Bonzagni and Rex L. Boyer.

SACRAMENTO, Cal.—The Advisory Board of the State Department of Engineering have approved the recommendations of State Architect George B. McDougall for the construction of a superintendent's residence at Whittier school, to cost \$12,500; laundry and tailor shop at Whittier, \$12,000; repairs at Chico Normal School, \$6,000; repairs at Fresno Normal School, \$5,700.

RESIDENCES.

Plans Being Prepared.

RESIDENCE Cost, \$7,500
SAN FRANCISCO. Sea Cliff.
Italian villa residence.
Owner—S. A. Born Bldg. Co.
Architect—C. H. Skidmore, Call-Post Bldg., San Francisco.

Plans Being Prepared.

RESIDENCE Cost, \$15,000
BURLINGAME, San Mateo Co., Cal.
Two-story frame and plaster residence and garage.
Owner—Withheld.
Architect—C. H. Skidmore, Call-Post Bldg., San Francisco.

Plans Being Prepared.

RANCH HOUSE Cost, \$—
LOVELOCK, Nevada.
One-story frame ranch house.
Owner—Withheld.
Architect—C. H. Skidmore, Call-Post Bldg., San Francisco.

Contract Awarded.

BUNKHOUSES Cost, \$50,000
KERN COUNTY, CAL. In San Joaquin Valley from Bakersfield north.
Twelve bunkhouses. (Concrete floors, hollow tile walls, corrugated iron roofs.)

Owner—Santa Fe Railway Co.
Architect—Engineering Department of Owners.
Contractor—Yard & Hichborn, Trust & Savings Bldg., Los Angeles.

Plans Being Prepared.

RESIDENCE Cost, \$—
OAK KNOLL, Los Angeles Co., Cal. 12 acre site.
Two-story and basement brick residence (26 rooms and 9 bathrooms, also garage with living apartments, gardener's cottage and out-houses.)
Owner—Keith Spalding.
Architect—Myron Hunt, 1017 Hibernian Bldg., Los Angeles.

To be Done by Days Work.

FRAME RESIDENCES Cost, \$—
COLUSA, Colusa Co., Cal. On Harrington Property.

Four frame residences (5 and 7 rooms each).

Owner—Rosenberg Bros. & Co., 331 California St., San Francisco.
Superintendent—Hugh Braunton, Care Owner.

Plans Being Prepared.

RESIDENCE Cost, \$15,000
FRESNO, Fresno Co., Cal. Lucerne & Pine Streets.
Residence (11 rooms), swimming pool, tennis courts, etc.
Owner—Lee Blasingame, Fresno.
Architects—Coates & Travers, Rowell Bldg., Fresno.
Interior finish will be of hardwood throughout.

Work Started by Day Labor.

RESIDENCE Cost, \$10,000
SANTA ROSA, Sonoma Co., Cal. On highway 1 mile west of Bellevue stores.
Two-story frame and plaster residence (10 rooms).
Owner—A. Arnold, Santa Rosa.
Architect—Not Given.

Plans Prepared.

RESIDENCE Cost, \$16,000
LOS ANGELES. No. 7205 Hollywood Blvd.
Two-story holly tile residence, 10 rooms and 3 bathrooms.
Owner—Col. D. W. Longwell, 1807 North Wilton Place, Los Angeles.
Architect—E. P. Parcher, 6723 Hollywood Blvd., Los Angeles.

General Contract Awarded.

RESIDENCE Cost, \$15,000
LOS ANGELES, Cal. Wilshire Heights.
Two-story and basement hollow tile and stucco residence, 8 rooms.
Owner—S. H. Stearn.
Architect—Wm. Curlett & Son, 518 Merchants National Bank Building, Los Angeles.
Contractor—Jay B. Harris, 247 Benton Way, Los Angeles.

Plans Being Figured.

RESIDENCE Cost, \$25,000
SAN FRANCISCO. Laurel Avenue near Sunset Blvd.
Two-story and basement reinforced concrete and frame residence and garage (12 rooms and 3 bathrooms.)
Owner—Otto Bowman.
Architect—John J. Frauenfelder, 1116 Strong Bldg., Los Angeles.

Sub-Figures Being Taken. To be Done by Days Labor.

DWELLING Cost, \$6,000
SAN FRANCISCO. E Seventeenth Ave 250 S Anza.
Two-story and basement frame dwelling (7 rooms).
Owner—W. Fisher.
Architect—C. O. Clausen, Hearst Bldg., San Francisco.

Ready for Figures in About a Week.

COTTAGE Cost, \$3,500
NEAR SAN JOSE.
One-story frame cottage.
Owner—L. Decosco.
Architect—Chas. S. McKenzie, Bank of San Jose Bldg., San Jose.

Plans Being Prepared.

RESIDENCES Cost, \$3,500 each
SAN JOSE, Santa Clara Co., Cal.
Six frame residences.

Owner—A Construction Co., Name Withheld.
 Architect—Chas. S. McKenzie, Bank of San Jose Bldg., San Jose.
 This will be a starter for about 50 similar buildings to be built for sale.

Plans Being Prepared.

RESIDENCE Cost, \$60,000
 SAN FRANCISCO. Western Addition. Two-story and basement reinforced concrete and frame residence (12 rooms, 4 bathrooms and basement garage).

Owner—Withheld.

Architect—Louis M. Upton, 454 Montgomery St., San Francisco.

Plans Being Prepared.

ALTERATIONS Cost, \$10,000
 SAN JOSE, Santa Clara Co., Cal. Alterations for three residences.

Owner—Withheld.

Architect—Louis Theo. Lenzen, 110 S. Second St., San Jose.

Plans for one of the buildings will be ready for figures this week.

Bid in and Under Advertisment.

COTTAGE Cost, \$6,000
 SAN JOSE, Santa Clara Co., Cal. Cleaves Tract.

One-story 6-room cottage.

Owner—J. Brown.

Architect—Louis Theo. Lenzen, 110 S. Second St., San Jose.

Plans Being Prepared. Ready for Figures in Two Weeks.

RESIDENCE Cost, \$5,000
 SAN JOSE, Santa Clara Co., Cal. 7th and San Fernando Sts.

Two-story frame residence.

Owner—Edward Gilman.

Architect—Warren Skillings, Garden City Bank Bldg., San Jose.

Contract Awarded.

RESIDENCE Cost, \$5,950
 SAN JOSE, Santa Clara Co., Cal. Moore St., bet. Fremont and Randall Sts.

One and one-half-story 8-room frame residence.

Owner—Douglas Sims.

Architects—Wolfe & Higgins, Auzaerails Bldg., San Jose.

Contractor—J. E. Perkins, 1052 E. Santa Clara St., San Jose.

Work just starting.

Plans Being Prepared.

RESIDENCES Cost, \$3,500 to \$7,000 each.

SAN JOSE and VICINITY.

Five frame residences.

Owners—Various.

Architect—Chas. S. McKenzie, Bank of San Jose Bldg., San Jose.

Contract Awarded.

RESIDENCE Cost, \$5,500
 SAN JOSE, Santa Clara Co., Cal. Yosemite and Filman Sts., Hanchett Tract.

One-story 5-room frame residence.

Owner—G. P. Nelson.

Architects—Wolfe & Higgins, Auzaerails Bldg., San Jose.

Architect—John F. Dowle, — Race St., San Jose.

Plans Being Prepared

BUNGALOWS Cost, \$4,000 each
 SAN JOSE, Santa Clara Co., Cal.

Four frame bungalows.

Owner—Withheld

Architects—Binder & Curtis, Binder Bldg., San Jose.
 Bungalows to be built for sale.

Contract Awarded.

RESIDENCE Cost, \$5,200
 SAN JOSE, Santa Clara Co., Cal. Fremont and Alameda Sts., San Jose.

One-story five-room frame residence.

Owner—L. B. Dugdale.

Architects—Binder & Curtis, Binder Bldg., San Jose.

Contractor—A. K. Burkett, 161 N-16th St., San Jose.

Plans Being Figured. Bids Close Wednesday.

RESIDENCE Cost, \$5,000
 SAN JOSE, Santa Clara Co., Cal. 12th and Virginia Sts.

One-story 6-room frame residence.

Owner—Withheld.

Architects—Binder & Curtis, Binder Bldg., San Jose.

SPECIFICATIONS

Exterior Finish, resawed redwood; Roof, shingles; Floors, hardwood.

Plans Being Prepared.

FRAME DWELLINGS Cost, \$—
 SUSANVILLE, Lassen Co., Cal. Forty or fifty one-story 5-room frame dwellings.

Owner—R. H. Hovey of the Fruit Growers Supply Co. of Susanville.

1047 Monadnock Bldg., San Francisco.

Architect—Not Given.

Construction will start in about two weeks and will be done by days labor.

Sub-figures will be taken by Mr. Hovey.

To be Done by Day Labor.

RESIDENCES Cost, \$4,000 to \$8,000 each.

SEATTLE, Wash. Mt. Baker Park.

Nineteen one and two-story frame and plaser residences.

Owners & Designers—Matheson Bros. and Newcomb, Lyon Bldg., Seattle.

SALINAS, Monterey Co., Cal.—Following bids were received by the County Supervisors for the erection of the superintendent's cottage at the County Hospital:

J. M. Chaney.....\$2,975
 J. H. Danforth.....3,175

De Witt Appleton.....3,200

Contract awarded to low bidder.

Plans Being Figured.

RESIDENCE Cost, \$7,000
 OAKLAND, Alameda Co., Cal. Mandana Boulevard.

Two-story frame residence (8 rooms and basement garage).

Owner—Chas. Gross.

Architect—Chester H. Miller, Call Bldg. San Francisco.

Plans Being Prepared.

BUNGALOWS Cost, \$7,000 each
 SAN FRANCISCO. St. Francis Wood. Two one-story frame bungalows and garages (5 rooms each).

Owner—Gardens Homes Co.

Architect—H. H. Guttererson, 275 Post. San Francisco.

Plans Being Prepared.

RESIDENCE Cost, \$12,000
 SAN FRANCISCO. Near Municipal Golf Links.

One-story frame residence, 45x50.

Owner—Withheld.

Architect—Chas. H. Skidmore, New Call Bldg., San Francisco.

SCHOOLS

MODESTO SCHOOL WORK.

MODESTO, Stanislaus Co., Cal.—The Modesto City Board of Education has selected Architect J. J. Donovan, Perry Bldg., Oakland, to handle the improvements under the recently voted \$30,000 school bond issue.

A high school building costing \$165,000 is planned while the balance of the funds will be used in constructing additions to the present grammar school buildings.

The first work to be undertaken is a cafeteria wing for the high school building containing three rooms. It is thought that work on this addition will be started within three weeks.

BERKELEY, Cal.—Mealey & Collins, 180 Jessie Street, San Francisco, have been awarded the contract for certain Brick Work and Artificial Stone Work for the construction of alterations and additions at the Edison School, situated on the south side of Oregon street, between Grant street and McGee avenue, in accordance with plans and specifications by Architect W. H. Ratcliff, First National Bank Bldg., Berkeley. Their bid was \$17,245.

NEVADA CITY, Nevada Co., Cal.—Bids will be received by G. J. Rector, Secretary of the Nevada City Board of Education, up to October 27th, 8 P. M., for the construction of a floor and the erection of board finishing walls in the basement of the high school building and other work for fitting the quarters as a gymnasium.

S. W. Marsh is President of the Board of Education.

Plans Being Prepared.

SCHOOL Cost, \$35,000
 PILOT ROCK, Oregon.

Two-story brick and tile school (8 rooms and auditorium).

Owner—Pilot Rock School District.

Architects—Tourtellotte & Hummel, McKay Bldg., Portland, Ore.

Commissioned to Prepare Plans.

SCHOOLS Cost, \$120,000
 ELK GROVE, Sacramento Co., Cal. Site Not Selected.

High school buildings.

Owner—Elk Grove High School District.

Architect—Geo. C. Sellon, 1005 8th St., Sacramento.

A bond election will be called shortly

STORES AND OFFICES

Ready for Figures This Week.

ALTERATIONS Cost, \$—
 SAN FRANCISCO. N Market Street near Stockton.

Alteration of stores for offices of Western Union.

Owner—Bankers Investment Co.

Architect—Frederick H. Meyer, Bankers' Invst. Bldg., San Francisco.

To be Done by Days Work. Sub-figures Being Taken.

ALTERATIONS Cost, \$—
 SAN JOSE, Santa Clara Co., Cal. South

First St., bet. San Antonio and San Carlos.
Remodeling front and new office fixtures on 1st floor.
Owner—Gus Wendt & Son.
Architect—Louis Theo. Lenzen, 110 S. Second St., San Jose.
Superintendent—H. A. Bridges, 725 S. 7th St., San Jose.

Sketches Being Prepared.

ALTERATIONS Cost, \$—
SAN FRANCISCO. NW First Avenue and Geary Street.
Alter brick building into auto sales rooms.
Owner—Zellerbach-Levison Co., 1514 California St., San Francisco.
Architect—Not Given.

One store has been leased to a firm in the auto business and as soon as tenants for the balance of the building are secured, construction will be started.

Plans Being Prepared.
AUTO SALES BLDG. Cost, \$30,000
SAN FRANCISCO. S Jackson near Van Ness Avenue.

One-story reinforced concrete auto sales building.
Owner—MacDonald & Kahn.
Architects & Contractors—MacDonald & Kahn, Rialto Bldg., San Francisco.

Taking Figures for Terra Cotta Work.
DEPARTMENT STORE Cost, \$300,000
LOS ANGELES, Cal. NE Sixth and Broadway.

Six-story Class "A" department store building.
Owner—F. B. Silverwood.
Architects—Walker & Eisen, 1402 Hi-bernian Bldg., Los Angeles.

Taking Figures for Terra Cotta Work.
DEPT. STORE. Cost, \$100,000
MODESTO, Stanislaus Co., Cal. Tenth Street, bet. "K" and "L" Sts.
Two-story and basement reinforced concrete and brick apartment store.
Owner—The Thompson Co.
Architects—Walker & Eisen 1402 Hi-bernian Bldg., Los Angeles.

Contract Awarded.
ALTERATIONS Cost, \$9,000
PALO ALTO, Santa Clara Co., Cal.
Extensive alterations to store (new store fronts, interior decorations, fixtures, etc.)
Owner—Roos Bros.
Architect—Bernard J. Joseph, Call Bldg., San Francisco.
Contractor—Chas. Baker, Palo Alto.

MODESTO, Stanislaus Co., Cal.—The Stanislaus County Board of Trade is considering the erection of a \$10,000 building at the northwest corner of Ninth and I streets for their offices. If a satisfactory lease can be secured the erection of a building is assured.

John C. Cuneo and G. T. McCaabe, Secretary of the Board of Trade, have been instructed to secure details of a lease and seek the co-operation of the County Supervisors in the proposed building. A structure 40 by 60 feet is planned.

Plans Being Prepared. Ready for Figures Next Week.
STORE BLDG. Cost, \$—
VALLEJO, Solano Co., Cal.
One-story reinforced concrete store

building (strong enough to carry 5 stories).
Owner—Harry Handley.
Architect—Bernard J. Joseph, Call Bldg., San Francisco.
Plans were originally made for a 5-story apartment building, but only one story will be erected at this time.

Ready for Figures in About a Week.
STORE BLDG. Cost, \$30,000
SAN FRANCISCO. S Bush St. bet. Stockton and Powell Streets.
One-story reinforced concrete store building.
Owner—Withheld.
Architect—Edward T. Poulkes, Crocker Bldg., San Francisco.

Site Purchased. Plans to be Prepared.
MERCANTILE BLDG. Cost, \$—
SACRAMENTO, Cal. SE 11th and "J" Streets.
Eight-story reinforced concrete mercantile building, 40x80.
Owner—C. J. Christtenden, 2231 "I" St., Sacramento.
Architect—Not Yet Selected.

Plans Being Revised for Larger Building.
BUSINESS STRUCTURE Cost, \$20,000
FRESNO, Fresno Co., Cal. "H" Street near Stanislaus.
Fireproof business structure, 75x150.
Owner—James Porteous, Fresno.
Architect—Eugene Mathewson, Cory Bldg., Fresno.

TACOMA, Wash.—The Minneapolis Steel & Machinery Co., Minneapolis, Minn., has been awarded the contract for furnishing the structural steel for the proposed 13-story office building to be erected for W. R. Rust of Tacoma in that city. The contract price runs in the neighborhood of \$100,000.
The general contract has been given to J. E. Bonnell of Tacoma on a cost plus base.

Plans were prepared by Architects Sutton & Whitney, Lewis Bldg., Portland, Ore.

Plans Being Figured.
STORE, ETC. Cost, \$18,000
SAN FRANCISCO. S Post E of Larkin.
One-story and basement Class "C" store and machine shop building.
Owner—Edward Hohfeld.
Architect—Edward T. Poulkes, Crocker Bldg., San Francisco.

Plans Being Prepared. Contract Awarded.
OFFICE, ETC. Cost, \$75,000
SAN FRANCISCO. SE 3rd and Brannan
One and one-half story reinforced concrete and warehouse building.
Owner—M. A. Gunst.
Architect and contractor—MacDonald & Kahn, Rialto Bldg., San Francisco.
Construction will start immediately.

THEATRES

Plans Being Prepared.
ALTERATIONS Cost, \$—
SAN FRANCISCO. Golden Gate Ave. and Jones Street (Prager Bldg.)
Alter rear portion of Class "A" store building into motion picture theatre (about 3200 seats.)
Owner—Withheld.
Architect—Alfred Henry Jacobs, 110 Sutter St., San Francisco.

Segregated Figures Being Taken.
THEATRE Cost, \$50,000
NAPA, Napa Co., Cal. First Street (Empire Theatre).
One-story and balcony reinforced concrete motion picture theatre, 105x78 (1400 seats).
Owner—R. Blumenfeld.
Architect—O. E. Evans, 2569 Mission St., San Francisco.

Plans to be Prepared.
THEATRE Cost, \$50,000
ASTORIA, Ore. Commercial Street.
Motion Picture Theatre, 50x125 (seating capacity 1000).
Owner—Astoria Amusement Co. (Liberty Theatre); composed of J. D. Strauss, Will Madison and S. Danz, all of Astoria, Ore.
Architect—Not Yet Selected.

FRESNO, Fresno Co., Cal.—Kehrlin Bros. will enlarge their Kinema Theatre in Fresno to increase the seating capacity from 1400 to 2000. Frank Purkett is manager of the theatre. From \$50,000 to \$100,000 will be spent on improvements.

Plans Being Prepared.
ALTERATIONS Cost, \$125,000
STOCKTON, San Joaquin Co., Cal. Main and N-San Joaquin Sts.
Extensive alterations to theatre and store (new entrance, interior decoration, heating system, etc.).
Owner—A. C. Blumenthal Co., 58 Sutter St., San Francisco.
Architects—Weeks & Day, Phelan Bldg. San Francisco.
Plans will be ready for figures about the 1st of December.

Contract Awarded.
THEATRE Cost, \$18,250
VALLEJO, Solano Co., Ca. Virginia Street.
Carpentry and glass work for a one-story steel frame and hollow tile theatre building. (Virginia Theatre).
Owner—Bell Amusement Co.
Architect—Bernard J. Joseph, Call Bldg., San Francisco.
Contractor—S. J. Weeks, Vallejo, Cal.
Other bidders were:
Miller & Cassiday, Vallejo.....\$13,580
George Barench, Vallejo.....13,780
Branch & Coffey, S. F.....20,150
Ira Coburn, San Francisco.....20,440
Thos. Cavanaugh, S. F.....21,480
Wegner & Bloh, S. F.....22,750

ENGINEERING

BRIDGES, DAMS & HARBOR WORK

REDDING, Shasta Co., Cal.—The Supervisors have awarded contracts for the construction of the Whisky Creek and Grizzly Creek bridges to F. A. Zimmerman of Redding, at \$4,895 and \$4,875 respectively. Both structures will be of reinforced concrete construction.

The following bids were received:

Whisky Creek.

F. Rolandi, San Francisco, \$9,100
William Stephens, Redding, \$8,935; F. A. Zimmerman, \$4,895.

Grizzly Creek.

F. Rolandi, \$9,400; William Stephens, \$8,000; F. A. Zimmerman, \$4,875.

The Whisky Creek bridge is 28 feet and the Grizzly Creek bridge 43 feet long.

MADERA, Madera Co., Cal.—The Supervisors have taken the bid of J. E. Mitchell, 206 Strauther St., Fresno, under advisement for the repairs of the Herndon bridge. The bid was \$2,495.

NAPA, Napa Co., Cal.—Bids will be received by the County Supervisors, James Daly, County Clerk, up to Oct. 31st for furnishing and delivering to the County of Napa 1,300 feet of corrugated culvert pipe.

HOLLISTER, San Benito Co., Cal.—The Supervisors have declared their intention of constructing two bridges for the proposed Pacheco Pass Hollister State Highway, as soon as working drawings can be secured from the State Highway Commissioners. The highway will be built by the State, while the bridges will be erected and paid for by the County.

MARTINEZ, Contra Costa Co., Cal.—Following bids were received by the County Supervisors, J. H. Wells, County Clerk, for the construction of the San Pablo and Wild Cat Creek bridges: Ed. H. Martin, \$9,772; Hyde, Harjes, \$18,088; A. J. Grier, \$16,575; Palmer & Peterson, \$17,720. Awarded to Ed. H. Martin.

On the San Ramon bridges the contract was awarded to A. J. Grier for \$17,790. The other bids were Hyde, Harjes, \$18,847; C. A. Bruce, \$18,745.

NEWPORT BEACH, Orange Co., Cal.—Wm. Ledbetter, Pacific Electric Bldg., Los Angeles, was awarded the contract at approximately \$156,000 for constructing stone revetments and jetties for the new mouth of the Santa Ana river and an extension of the present jetty at the entrance to Newport bay. About 50,000 tons of rock will be required. Los Angeles Dredging Co. was awarded the contract at approximately \$312,000 for dredging the channel in the harbor and across the bar at the mouth of the bay. The earth dam at Bitter Point, which is a part of the river diversion plan, the proposed wharf and warehouse and spur railroad track are not included in the contracts and this work will either be re-advertised or be done by force account. Leeds & Barnard, Central Bldg., Los Angeles, are the engineers.

STOCKTON, San Joaquin Co., Cal.—The County Engineer has been instructed to prepare plans and specifications for a bridge over the Bear Creek on Harney Lane.

HOLLISTER, San Benito Co., Cal.—The Supervisors have awarded a contract to W. I. McReynolds for the erection of a highway bridge over Green Canyon Creek in Supervisor District No. 4 at \$3,757.

Elmer Dowdy is County Clerk.

RED BLUFF, Tehama Co., Cal.—Following bridge bids were opened by the County Supervisors at their last meeting:

Three Bridges Near the Schultze Place on the Tehama Road.
R. B. McKenzie, Gerber, Cal. (1) \$1,805; (2) \$1,863; (3) \$2,300.

Boardwell & Zimmerman, Callistoga, Cal. (1) \$2,150; (2) \$2,150; (3) \$2,800. The contract was awarded to McKenzie.

Singer Creek Bridge.

Boardwell & Zimmerman, \$18,500.
Ross Construction Co., \$19,389.
For this structure \$16,000 is available.
Bridge Over South Fork of Cottonwood Creek.

George Pollock Co., \$16,248. Bid is \$6,248 in excess of estimate.

Bridge Over Antelope Creek.

Boardwell & Zimmerman, \$11,000. \$8,900 available.

No bids were received by the Supervisors for the construction of the Mill Creek bridge and the bridge over the State highway over Red Bank Creek south of Red Bluff.

The Advisory Board advised that in the future it would be well to call bids for the Ludden type of construction as well as the girder type.

County Engineer Lunning reported the wooden truss bridge across upper Deer Creek in a dangerous condition, and recommended the construction of a new steel (Ludden type) structure.

H. G. Kuhn is County Clerk.

SACRAMENTO, Cal.—The bids of the Ross Construction Co. and Jenkins & Wells of Sacramento, for the construction of two bridges on the Upper Stockton Road, 2 miles north of Elk Grove, have been rejected by the County Supervisors as being too high.

It is probable that the work will be done under the supervision of County Engineer Drury Butler.

IRRIGATION WORK

BAKER, Ore.—L. R. Stockman, engineer of Baker, has been engaged by the Directors of the South Fork and Burnt River Irrigation District to make a complete survey and estimates of construction costs of reservoir sites. The District was recently organized and is backed by more than forty farmers. Henry E. Tweed, County Agricultural Agent, is also interested in the district.

YAKIMA, Wash.—Directors of the Naches-Selah Canal are planning the expenditure of \$125,000 for concreting one and one-half miles of the main canal, installation of 2 siphons; 1 being 1000 feet in length and constructed of 48-inch creosoted wood pipe and the other of 42-inch pipe and 3400 feet long.

OROVILLE, Butte Co., Cal.—The Supervisors have set November 6th as the date for the voters to decide the question of forming the proposed Oroville-Wyandotte and the Honcutt-Yuba Irrigation Districts.

The Oroville-Wyandotte District will comprise 1,353.47 acres and the Honcutt-Yuba district 909 acres.

BOISE, Idaho.—Preliminary work on three irrigation districts contemplating the expenditure of \$95,000 in the vicinity of Preston, Ida., has been put under way by the State Commissioners of Reclamation under the direction of J. M. Burkett, Engineer.

The projects include the construction of a dam in Cottonwood Creek on the Treasuraton Irrigation District.

Pacific PIPE

SAVES YOU MONEY

New and re-nued screw casing and standard pipe for every requirement; tested and guaranteed for 150 pounds working pressure; dipped in hot asphaltum to prevent corrosion. Extensively used by orchardists and farmers, water-works, mines, etc.

Pacific Screw Casing is seamless steel pipe, light weight, fine thread. Saves you from one-half to two-thirds in cost; freight is half as much as on standard pipe.

Fittings and valves for every purpose; special fittings made to order. Tell us today what your requirements are; let us save you money.

PACIFIC PIPE CO.,
231 Howard St. San Francisco

This contemplates an expenditure of \$30,000 to \$40,000. Another proposes the erection of two dams to conserve the waters of Battle Creek and add to the available water on old farms in that vicinity. This will come under the Strongarm Reservoir project, costing about \$40,000.

The third project is fathered by the Winder Reservoir Company and will consist in heightening an old dam near Coalm. This work will cost approximately \$15,000.

Plans and specifications for these works, now being prepared, are necessary to the final approval of the several improvement schemes.

ANTIOCH, Contra Costa Co., Cal.—R. F. Moore of Pittsburg submitted the only bid to the City Trustees for boring the proposed municipal well and this was taken under advisement, the bid being:

First 100 feet, \$4.75 per foot; next 50 feet, \$5.25 per foot; following 50 feet, \$5.75 per foot, with 50 cents per foot increase to 500 feet. The last 50 feet would be \$8.75 per foot, or a well 500 feet would cost \$3,300.

RAINIER, Ore.—G. J. Poysky, diking engineer of Kelso, Wash., has been selected by the Directors of the Rainier Irrigation District to work out plans for about 1,400 acres which will be reclaimed by diking and draining. Preliminary surveys for the work have already been completed.

PERRIS, Riverside Co., Cal.—At a mass meeting of ranchers and business men of the Perris Valley, it was decided to take steps to secure water from the San Luis Rey River in San Diego County, for irrigation in the valley. It is estimated the project will cost \$4,000,000, involving the construction of a dam at Warner's ranch, San Diego County, impounding enough water to serve 30,000 acres in Perris Valley.

MODESTO, Stanislaus Co., Cal.—The Board of Education has awarded a contract to the Turner Hardware & Implement Co. of Modesto at \$840 for furnishing and installing a pump to throw 600 gallons of water per minute for use in connection with the well at the school grounds for which a contract has been awarded to D. P. Howell, he being the low bidder.

MARYSVILLE, Yuba Co., Cal.—Engineers from the firm of Palnter & Miller with offices in Marysville, have commenced surveys for excavations which will extend the Sutter-Butte canal to Gilhauzer Slough, southwest of Sutter City in Sutter County. About 20,000 acres will be placed under irrigation through the extension. A canal 8 miles long will be included in the work.

LIGHTING SYSTEMS

SAN LEANDRO, Alameda Co., Cal.—The City Trustees, J. J. Gill, City Clerk, has passed resolution of intention providing for the installation of lighting posts in East Fourteenth street from Stanley road to a line drawn across East Fourteenth street parallel to and distant 90 feet southeast from Toler avenue; also on East Fourteenth street from the south line of Thornton street, produced, across East Fourteenth street to the southwest boundary line of the city.

Each post will rest on a concrete foundation 30 inches square at the bottom, 20 inches square on top and 24 inches in depth. The posts will be of reinforced concrete construction 9 feet 5 inches in height.

MACHINERY

SALINAS, Monterey Co., Cal.—Bids will be received by the County Supervisors, T. P. Joy, County Clerk, up to 3 P. M., November 4th, for the purchase of one 12-ton, single cylinder Austin Road Roller. The sale will be made at public auction. Further information regarding the roller may be had from County Clerk Joy.

YUBA CITY, Sutter Co., Cal.—The County Supervisors have decided to purchase from the Austin-Western Road Machinery Co., 20 Fremont St., San Francisco, one Austin "Giant" road grader at \$740, less freight to be delivered at Tudor, Sutter County.

SEWERS, STREET WORK, ROADS AND WATER SYSTEMS

STOCKTON, San Joaquin Co., Cal.—Bids will be received by County Clerk Eugene D. Graham up to November 4, 10 A. M., for grading, preparing the road bed, and placing crushed rock on that portion of the I. L. Borden Road extending from the Middle River Bridge across Victoria Island to the Old River Bridge, in O'Neal Road District, San Joaquin County, a total distance of 4½ miles.

OREGON HIGHWAY COMMISSION OPENS BIDS.

PORTLAND, Ore.—Following is a list of low bids received by the Oregon State Highway Commission for various highway projects:

Mosier-Rowena.

9.02 miles grading and 50-foot tunnel.

Engineer's estimate, \$272,650.

Conc. Pipe Iron Pipe.

Johnston Cont.

Co. \$223,627.50 \$225,835.00

Awarded contract.

Lakeview-Crooked Creek, Lake County.

11.09 miles grading, graveling.

Lake County Court, r o b.

gravel \$127,782.20

Lake County Court, screened

gravel 140,794.70

Engineer's estimate, \$145,132.20.

Awarded contract.

Unit No. 1, Remote-Camas Valley, Coos County.

6.07 miles grading.

Iron Pipe Cedar Logs.

J. Hampshire ... \$151,372.12 \$152,610.50

Engineer's estimate, \$172,967.37.

Awarded contract.

Unit No. 2, Remote-Camas Valley.

8.10 miles grading.

Iron Pipe Cedar Logs.

J. Hampshire ... \$198,720.60 \$200,456.10

Engineer's estimate, \$244,832.

Awarded contract.

Bordner Hill and Main Hill.

1.2 miles gravel surfacing.

Awarded to Marion County Court at cost.

Lakeview-New Pine Crook, Unit No. 1.

1.78 miles grading and macadam.

Lake County Court, r o b.

surfacing \$13,867.00

Lake County Court, screened, 15,967.00

Engineer's estimate, \$14,035.

Awarded contract.

Baker-Middle Bridge.

7.9 miles gravel surfacing.

F. C. Oxman \$37,950.00

Engineer's estimate, \$34,800.

Bids rejected; to be done force account.

Rowena-Dalles.

7.76 miles grading.

Conc. Pipe Iron Pipe.

A. D. Kern \$76,425.00 \$76,821.00

Awarded contract.

Gilman County-Heppner.

35 miles grading.

Iron Pipe.

Oscar Huber \$146,493.50

Engineer's estimate, \$158,931.

Awarded contract.

Service Creek, Unit No. 2.

Iron Pipe

J. F. Clarkson \$126,934.50

Estimate, \$129,248.

Awarded contract.

Service Creek, Unit No. 3.

Iron Pipe.

J. F. Clarkson \$115,536.60

Estimate, \$119,292.

Awarded contract.

Service Creek, Unit No. 4.

Iron Pipe.

A. D. Kern \$154,561.26

Estimate, \$167,148.

Awarded contract.

Bridges.

Oregon City-Oswego, 130-Foot Arch.

Pacific Bridge Co. \$48,406.75

Engineer's estimate, \$48,028.75.

Bids taken under advisement.

240-Foot Wood Trestle, Clackamas County.

Engineer's estimate, \$8,820.

E. D. Olds \$7,224

Bids taken under advisement.

Concrete Crossing Over Sand Creek.

Estimate, \$11,128.

C. Gardner \$11,903.00

Awarded contract.

Gilliam County, Heppner Junction.

Estimate, \$14,245.

Rees & Davis, Hermiston, Ore. \$12,725

Awarded contract.

Gilliam County, Willow Creek.

Estimate, \$22,755.

Rees & Davis \$21,515

Awarded contract.

Jackson County, Near Tolo.

Estimate, \$15,565.

A. Anderson \$14,576

Awarded contract.

Timber Trestle, Lincoln County.

Estimate, \$4715.

J. C. Altreo, \$3,470

Bids taken under advisement.

Morrow County, Near Mersaner.

Estimate, \$13,219.

Rees & Davis \$13,240

Awarded contract.

Yamhill-Polk Counties.

No bids were received for the three bridges and two culverts in Polk and Yamhill counties, and the work was ordered done by force account.

MARYSVILLE, Yuba Co., Cal.

Following bids were received by the City Trustees for the paving of Fifth street from B to D, Sixth street from A to C, and D street from Fifth to Ninth:

Federal Construction Co., approximately, \$35,681.

Clark & Henery Construction Co., approximately \$36,000.

McGillivray Construction Co., approximately, \$36,584.

The bids were taken under advisement. William M. Meek is City Engineer.

SACRAMENTO, Cal.

Petitions asking the improvement of Thirty-third street from Fifth to Ninth avenue have been received by the City Commissioners and referred to the Commissioners of Streets for report. M. J. Desmond is City Clerk.

ALAMEDA, Alameda Co., Cal.

The City Council has granted a permit to the Southern Pacific Company to proceed with the dredging of the estuary just west of the Webster street bridge.

Nine acres of waterfront improvements are planned by the company and will cost about \$200,000.

SALINAS, Monterey Co., Cal.—The Supervisors have rejected the bid of J. Soukas, 303 3rd St., San Francisco, at \$6,000 for the improvement of the Salinas-Natividad road as being too high as was the bid of the Granite Rock Co. for the improvement of the King City-Lon-Oak road.

STOCKTON, San Joaquin Co., Cal.—The County Supervisors have awarded a contract to Moring Bros. Commercial & Savings Bank Bldg., Stockton, for paving the Daggett and Moring roads from Jacobs road to Lane road on their bid of \$9,471.65. A. G. Grier submitted a bid of \$10,596.85.

MERCED, Merced Co., Cal.—The City Trustees, J. D. Wood, City Clerk, has passed resolution of intention No. 62 providing for the improvement of the alley in Block 86, by grading; constructing concrete curbs and paving with a 4-inch hydraulic cement concrete base.

COLUSA, Colusa Co., Cal.—The City Trustees have appointed J. W. Kaerth as City Engineer following the resignation of O. N. Critchfield.

NAPA, Napa Co., Cal.—Bids will be received by the County Supervisors up to October 31st for the grading and covering with crushed rock the county highway from York Creek, in the Town of St. Helene, to Lincoln avenue to the Town of Calistoga.

ALAMEDA, Cal.—J. M. Bowen, a civil engineer of Alameda, has been awarded the contract for the surveying and laying out of the skyline boulevard above Saratoga and will be engaged in the work for three months.

Bowen had the distinction of being the first man in Alameda drawn for the draft and was at that time with the state highway commission. He recently returned from France, where he saw active service.

MERCED, Merced Co., Cal.—The High School Trustees have rejected the bid of A. Teichert & Son, Oschner Bldg., Sacramento, at \$2,616 for paving the half block adjoining the school property on Twenty-second street between N and M streets, as being too high and above the amount available.

The bid was 23½ cents a square foot for paving and 90 cents a foot for curbing.

PRESCOTT, Ariz.—The recently appointed Yavapai County Highway Commission has selected H. L. Fisher, former railway engineer, as chief highway engineer, and W. A. Drake, general manager of the S. F. P. & P. Ry., as consulting engineer. R. E. Donovan, Clerk of the Board of Supervisors, will act as secretary until after the bond election, January 10, 1920. The commission will proceed with preliminary surveys and preparation of estimates to determine the amount of the proposed bond issue. Winchester Dickerson of Ash Fork, is President of the Highway Commission, the other members being B. H. Smith and C. H. Hosker of Prescott; R. W. Wingfield of Ash Creek, and H. W. Lewis of Jerome.

LONG BEACH, Los Angeles Co., Cal.—P. S. Tomich, 553 Pacific avenue, Long Beach, was awarded the contract at \$47,500 for constructing vitrified sewers in sewer district No. 8, Long Beach.

SONORA, Tuolumne Co., Cal.—Daniel Corcoran has been awarded a contract by the County Supervisors for the construction of the Deer Flat road, he being low bidder at \$1,394. Other bidders were:

McGuire & De Farrar.....\$1,695
R. J. Gray.....1,440

SAN LEANDRO, Alameda Co., Cal.—The City Trustees, J. J. Gill, City Clerk, have passed resolution of intention providing for the improvement of Peralta avenue along its center line, from a point thereon, distant 5 feet, easterly from the intersection of the center line of Peralta avenue with the northeast line of the right-of-way of the S. P. Company to a point 350 feet southwest from East Fourteenth street by the construction of an 8-inch vitrified sewer; installation of 5 brick manholes with cast iron tops, "Y" branches, etc.

OROVILLE, Butte Co., Cal.—J. A. Huntington, 324 Montgomery Street, Oroville, being the only bidder the Supervisors have awarded him the contract for building six miles of road extending from Miners Ranch to Jack's Ranch.

O. A. Peter, 404 Montgomery St., Oroville, at \$799.60 was awarded the contract for the construction of the bridge at the Garden Ranch. T. H. Polk received the contract at \$2,374 for the Edgar Slough bridge.

DINUBA, Tulare Co., Cal.—The City Clerk has been instructed to advertise for bids for paving the following streets:

All of North K street; L street from Ventura to College avenue; College avenue from L street south to the S. P. railroad; N street from Alta avenue to Inyo; Tulare street from N to Alta avenue, and a short distance south from Tulare street on Alta avenue.

SAN ANSELMO, Marin Co., Cal.—The Town Engineer has been instructed to prepare plans for the improvement of the Butterfield road, a request having been received from property owners asking the work.

YREKA, Siskiyou Co., Cal.—The City Engineer has been instructed to prepare plans for the extension of the sewer out Miner avenue from Gold street.

WHITTIER, Los Angeles Co., Cal.—J. B. Lippincott, Consulting Engineer, Central Bldg., Los Angeles, has been retained by the City Trustees to prepare plans for and supervise the construction of the proposed extensions to the city water system for which \$361,000 bonds were voted. He will receive a lump sum of \$8,000 provided the work is done by contract and \$12,000 if the work is done by force account.

REDWOOD CITY, San Mateo Co., Cal.—Blanchard, Crocker & Howell, 58 2nd

Street, San Francisco, have been awarded a contract by the City Trustees for the improvement of Webster street between Jefferson and Main streets, they being the only bidders at \$9,267.55.

SANTA CRUZ, Santa Cruz Co., Cal.—The City Council, S. A. Evans, City Clerk, has awarded a contract to W. E. Miller, 81 Church St., Santa Cruz, for the improvement of Seabright avenue at \$45,494.16. The work covers the laying of 1,428 lineal feet of 4-inch sewer pipe; grading 18,566.23 square feet; concrete pavement, 5 inches thick 171,079.46 square feet; concrete sidewalk 386.15 square feet; standard detached concrete curbs 6745.30 lineal feet; corrugated iron pipe culverts, 12 inches in diameter 32 lineal feet; corrugated iron half circle culverts, 1000 lineal feet; 3 concrete catchbasins.

SAN FRANCISCO.—The Supervisors are considering the appropriation of funds to finance the following improvements:

Painting bridges and for a rock fill at the approach to Islais Creek bridge. Improvement on Ocean Beach Esplanade and painting fences and metal work about the exterior of the San Francisco Hospital.

The Supervisors have approved a bill providing for the following street improvements, the work to be done by the City Street Repair Department:

Bay street from Columbus avenue to the Embarcadero, \$48,919.

Mason street from Columbus avenue to North Point street, \$19,700.

Eddy street from Leavenworth to Van Ness avenue, \$20,000.

Sixteenth street from Folsom to Harrison streets, \$45,800.

Jackson street from Sansome to Battery streets, \$3110.

Larkin street from Bush to Pine streets, \$3100.

Fremont street from Market to Mission streets, \$6000.

Clay street from Drumm street to the Embarcadero, \$4867.

Clara street from Fourth to Fifth streets, \$5200.

Clara street from Fifth to Sixth streets, \$5200.

Ringgold street from Eighth to Ninth streets, \$3410.

TRACY, San Joaquin Co., Cal.—The City Trustees have ordered bids received for the extension of the sewer and water mains in Rosedale and Fourth streets.

The bids will be opened October 30th.

SAN BERNARDINO, Cal.—Bids will be called for at once for constructing sewers in D street between Thirteenth and Fourteenth, and in G street from Rialto avenue to Santa Fe tracks. Proceedings have been started for sewers in Belle street between Base Line and Thirteenth; Fourteenth street between E and G streets, F street between Thirteenth and Seventeenth streets and Evans street between E and G streets.

SAN BERNARDINO, Cal.—The City Council has decided to surface Third street from Arrowhead avenue to F street, and E and D streets between

Third and Fourth streets, with 2-in. asphalt. Specifications for paving Arrowhead avenue from Sixteenth street to the north city limits have been changed to provide for 1½-in. asphaltic concrete base and 1½-in. Warrentite surface. Bids will be called for at once for paving on Base Line between Arrowhead avenue and B St. and Second St. from I St. to Carter St.

SAN ANSELMO, Marin Co., Cal.—Two bids were received by the City Trustees for the improvement of streets in the Barber Tract, these from S. P. Brownlee of San Rafael and the Richmondite Paving Company. As the bid of the latter was not signed it could not be considered. Brownlee failed to state a bid on one item, but enclosed a 10% check covering the work.

As the Trustees were undecided whether or not the bids were valid the matter of awarding a contract was laid over until an attorney's report was secured.

RAILROADS

CARSON CITY, Nevada.—Chairman J. F. Shaughnessy of the Public Service Commission has directed the Reno Traction Company to provide up-to-date equipment on its Reno-Sparks line and to improve the road-bed on the same road.

FIRE EQUIPMENT.

NAPA, Napa Co., Cal.—The County Supervisors have awarded a contract to the Napa Cyclery, Napa, at \$10.90 each for furnishing and delivering 90 fire extinguishers. Other bidders were: H. W. Johns-Manville Co., \$11.55 each Pacific Fire Extinguisher Co. 12.50 each Jas. Daly is County Clerk.

DEPOSITS OF 32 NATIONAL BANKS TOTAL \$5,086,404,000.

Gross deposits of thirty-two of the leading national banks throughout the United States, as of the last Comptroller's call on Sept. 12, amounted to \$5,086,404,000. This compares with \$5,062,272,000 as of June 30, 1919, and \$5,296,724,000 as of November 1, 1918.

From these figures it will be seen that the deposit gain of these institutions since June 30 amounts to about \$24,000,000. Compared with November 1, there is a decrease of about \$210,000,000.

The largest gains in gross deposits are reported by the Western banks. The Continental & Commercial National Bank of Chicago reports a gain over June 30 of \$32,000,000. The First National of Chicago shows an increase of \$23,000,000; Bank of California, San Francisco, \$18,000,000; First & Old Detroit National of Detroit, \$11,000,000; Anglo-London-Paris National of San Francisco, \$12,000,000 and the First Securities National of Minneapolis a gain of about \$9,000,000.

Some of the larger New York banks show a marked decrease in deposits. The First National Bank lost about \$80,000,000, the National City \$32,000,000, American Exchange National \$37,000,000 and the Hanover National \$15,000,000.

The Liberty National reported the

greatest gain, its gross deposits now standing at \$102,959,000, compared with \$80,233,000 as of June 30, or a gain of about \$22,000,000. This increase is explained through the recent merger of the Scandinavian Trust Co. with the Liberty. The Chase National Bank gained \$24,000,000; Irving National \$14,000,000 and the Chemical National \$6,000,000.

OLD BUILDING PRICE IS NEVER TO RETURN.

A decrease of building loans in California for the current year over the loans of 1918 is noted in a report filed with Governor Stephens by the Building and Loan Commissioner.

This decrease, which Walker says is due to war conditions, is 3.95 per cent over 1918.

Walker says that former building conditions and prices for material are gone forever, and that in the future, building will cost considerably more than in the past years.

According to the report there were 4,121 loans made on real estate in the year, and the rate of interest charged was 7.87 per cent. The gross assets are now \$38,374,331.91, or an increase of \$1,253,333 in the year.

Fifty-seven Building and Loan Associations report the holding of 346 pieces of real estate with a book value of \$1,489,305.23. The sales for the year were \$1,190,621.76.

MADERA COUNTY WANTS LUMBER BIDS.

MADERA, Madera Co., Cal.—Bids will be received by W. R. Curtin, County Clerk, up to November 5th, 19 A. M., for furnishing and delivering at Firebaugh, Fresno County, the following lumber:

102 pieces 3"x12"-16' O. P.; 9 pieces 10" 150 pieces 3"x12"-24' O. P.; 11 pieces 3"x14"-16' O. P.; 11 pcs. 3"x14"-14' O. P.; 32 pieces 2"x12"-16' O. P.; 36 pieces 10"x10"-12' Redwood; 9 pieces 6"x12"-10' Redwood; 14 pieces 10"x10"-8' Redwood.

On addition to the above bids will be received at the same time for furnishing and delivering at Chowchilla, Madera County, 800 pieces of 3"x12"-18' Yellow Pine.

Further information may be had from the County Clerk at Madera.

OPPORTUNITY FOR PAINT MANUFACTURERS.

The Electro-Chemical Manufacturing Co., Pueblo, Colorado, wishes to get in touch with paint manufacturers in San Francisco and vicinity.

HYDRO-ELECTRIC AND IRRIGATION PROJECT FOR VENTURA COUNTY.

LOS ANGELES, Cal.—The Sesse Light & Power Co., Frank Buren, President, Merchants Trust Bldg., Los Angeles, has filed application with the State Railroad Commission for authority to proceed with a hydro-electric and irrigation project in Ventura County. It is proposed to develop 35,000 h. p. and to preserve 100,000 acre ft. of water for irrigation. The stockholders will provide \$100,000 for preliminary work and surveys and the company will later ask authority to issue bonds and preferred stock to complete the project. The first unit of the project consists of two res-

ervoirs with a combined capacity of approximately 51,000 acre ft., 16,000 ft. of power conduit, 3000 ft. of pressure pipe, 1000 ft. head and a 10,000 kilowatt power plant, to be later increased to 18,000 k. w. when unit No. 2 is built. The second unit contemplates 100,000 acre ft. of storage on the Piru watershed, 90,000 ft. of conduit, 4000 ft. of pressure, 2300 ft. head, 8000 k. w. installation at Power Plant No. 2, and the increasing of Plant No. 1 by 8000 k. w. A third unit or complete development of the project contemplates additional storage, either on the Upper Sespe or at desirable sites in the irrigation area, to enable the delivery of the full 100,000 acre ft. per annum of water for irrigation.

COMPLETING SURVEYS FOR SUBWAY.

RED BLUFF, Tehama Co., Cal.—Division Engineer J. A. Given of the Shasta section of the Southern Pacific Company, has been in conference with County Engineer W. F. Lunning regarding the proposed subway planned jointly by Tehama County and the Southern Pacific Company under the S. P. tracks one-half mile south of Red Bluff on the State highway.

It is expected that the contract for the excavating and the concrete work will be let in the near future as all preliminaries have been completed.

A portion of the cost will be paid by the Tehama County Board of Supervisors of which H. G. Kuhn is Clerk.

FRESNO CONTRACTORS FORM ASSOCIATION.

FRESNO, Cal.—Contractors of the city, responding to a call for a meeting by R. F. Felchlin, contractors and architect, took preliminary steps toward the formation of an association of builders. The purposes of the organization is to deal collectively with labor. Felchlin has announced that the association will not oppose labor unions as such, but the contractors wish to be in a position of rejecting any unreasonable demands made upon them by labor.

BRIDGE CONSTRUCTION URGED.

YUBA CITY, Sutter Co. Cal.—The Sutter-Basin Company is urging the Supervisors of Yuba and Sutter Counties to call a meeting to discuss ways and means of having a modern bridge erected over the by-pass one mile north of Chandler while the north of the county and resulting in three million dollars annually for the merchants of both counties.

Engineer Edward Van Geldern of Sutter County and Engineer Erle Cope, 1st National Bank Bldg., San Francisco, together with county officials have prepared a report on the proposed structure.

TO RECONSTRUCT TRANSMISSION SYSTEM.

PORTERVILLE, Tulare Co., Cal.—The Mt. Whitney Power & Elec. Co. is preparing to reconstruct 80 miles of its transmission system. The present 30,000 volt line will be replaced with an aluminum system of 60,000 volts capacity.

CONTRACTS AWARDED

Liens, Acceptances, Etc.

BUILDING CONTRACTS.

San Francisco County.

The following is an index for the contracts for this issue.

No.	Owner	Contractor	Am't.
2216	Leigh	Leigh	400
2217	Kearney	Kearney	500
2218	Speyer	Duncan	13600
2219	Mkt St. Rity	Scott	2040
2220	Maples	Born	12325
2221	Bothin	Bothin	4000
2222	Wilson	Greater	2500
2223	Cal Charcoal	Owner	2500
2224	Atlas Laundry	Owner	4500
2225	Hogan	Hogan	2000
2226	Hirsh	Diestel	1500
2227	Roncelli	Roncelli	1000
2228	Graeber	Graeber	1250
2229	Buttgenbach	Johnson	500
2230	Pac Fire Extr	Kyle	2500
2231	Seigler	Cohn	1250
2232	Moore	Diston	1000
2233	Morehouse	Owner	400
2234	Gallas	Coggins	400
2235	Rowland	Rowland	800
2236	Pemberton	Reilly	5500
2237	Marra	Pasqualetti	12500
2238	Palk	Warden	721
2239	Schloss	Davison	1325
2240	Same	Zelinsk	5550
2241	Same	Williams	9767
2242	Same	Zaro	7194
2243	Same	Turner	3520
2244	Same	Turner	3952
2245	Same	Nelson	33431
2246	Balfour	Cal Art Mtl	55032
2247	Walter	Grace	14205
2248	Schoenberg	Drake	2950
2249	De Wals	Maas	4472
2250	Main Iron	Owner	22000
2251	Peters	Peters	7000
2252	Richards	Jensen	1740
2253	Cartland	Fontaneller	950
2254	Schobert	Schobert	400
2255	Conradt	Ganote	400
2256	Bichler	Bichler	400
2257	Weissbier	Meyer	17200
2258	Same	Same	8600
2259	Kidd	Maas	4000
2260	Moses	Ruegg	4957
2261	Goldberg	Spargo	1850
2262	Pacific Forge	Lindgren	6000
2263	Mangles	Mangles	5950
2264	Perley	Perley	5000
2265	Born	Born	5000
2266	Waldo	Rich	6400
2267	R C Archbishop	Owner	1000
2268	Renner	Larsen	600
2269	Bothin	Bothin	2000
2270	Broderick	Owner	500
2271	Gaffney	Lewis	1250
2272	Holm	Holm	2000
2273	Kerstigla	Owner	1000
2274	Mkt. St. Rity	Goerliche	1200
2275	Strand	Brunfield	2985
2276	Neilan	Pasqualetti	37500
2277	Bier	Cameron	
2278	Garden Homes	Bjorkman	6463
2279	Magee	Grace	1800
2280	Daseking	Owner	1500
2281	Samuels	Mullen	2000
2282	Hall	Hall	6000
2283	Larsen	Larsen	1000
2284	Harkins	Mager	600
2285	Hooper	Ross	975
2286	St. Joseph's	Fennell	50340

ALTERATIONS

(2216) W TWENTY-THIRD 164 E Diamond. Alter for basement garage.
Owner—Fred J. Leigh, 4164 23rd St., San Francisco.
Architect—None.
Day's work. COST, \$400

ALTERATIONS

(2217) NO. 207 WAYLAND. Plaster front; new stairs and porch for flats
Owner—J. Kearney, Premises
Architect—None.
Day's work. COST, \$500

WAREHOUSE

(2218) NE FIFTH AND FOLSOM 50x 80. All work for two-story Class "C" warehouse building.
Owner—S. B. Speyer and J. Schwartz, 869 Folsom St., San Francisco.
Architect—S. Heiman, 57 Post St., San Francisco.

Contractor—W. C. Duncan & Co., Sharon Bldg., San Francisco.
Filed Oct. 14, '19. Dated Sept. 30, '19.
Brick work ½ story high.....\$3400
Roof boards on..... 3400
Completed and accepted..... 3400
Usual 35 days..... 3400

TOTAL COST, \$13,600
Bond, \$6800. Sureties, H. L. Kaufman and L. J. Neal. Limit, 60 days. Forfeited, none. Plans and specifications filed.

ALTERATIONS

(2219) S MARKET bet. Third and Fourth. Rearrange ventilating system in Portola Theatre.
Owner—Market Street Realty Co.
Architect—Alfred H. Jacobs, 110 Sutter St., San Francisco.
Contractor—The Scott Co., 243 Minna St., San Francisco.

Filed Oct. 14, '19. Dated Oct. 10, '19.
On completion %
Usual 35 days..... ¼

TOTAL COST, \$2040
Bond, none. Limit, Nov. 15, 1919. Forfeited, none. Plans only filed.

RESIDENCE

(2220) N CLEMENT 173.33 W 36th Ave., Lot 11, Lincoln Manor. All work for a two-story and basement frame residence.
Owner—Edward T. and Clarie W. Maples, 681 Market, S. F.
Architect—S. A. Born Building Co.
Contractor—S. A. Born Building Co., Shore View Ave. near 36th Ave.

Filed Oct. 14, '19. Dated Oct. 9, '19.
Contract signed\$1,000.00
Exterior sheathing on 2,333.33
Plastered 2,333.33
Building completed 1,325.00
Usual 35 days 2,333.34
Deed of trust for \$3,000.

TOTAL COST, \$12,325.00
Bond, Sureties, Forfeited, none. Limit, 120 days. Plans and specifications filed.

WAREHOUSE

(2221) S CLEMENTINA 150 E Second One-story brick or concrete warehouse.
Owner—Bothin Real Estate Co., 604 Mission, San Francisco.
Architect—J. A. Ettler, 604 Mission, San Francisco.
Day's work. COST, \$4000

FRAME DWELLING

(2222) S JUDAH 107-6 W 42nd Ave. One-story and basement frame dwlg.
Owner—Jas. E. Wilson, 417-A Fulton, San Francisco.
Architect—None.
Contractor—Greater City Lumber Co., 3123 Mission, San Francisco.

COST, \$2500

(2223) S HOOVER 100 W Seventh. One-story frame shed.
Owner—California Charcoal Co., 311 California, San Francisco.
Architect—None.
Day's work. COST, \$2500

ENGINE ROOM, ETC.

(2224) NO. 138 ERIE (rear). One-story frame boiler and engine room.
Owner—Atlas Laundry Co., Premises.
Architect—L. P. Bolander & Son., 270 1st, San Francisco.
Day's work. COST, \$4500

FRAME DWELLING

(2225) E EIGHTH AVE 250 S Irving. One-story and basement frame dwlg
Owner—Mrs. J. D. Hogan, 1346 8th Ave., San Francisco.
Architect—None.
Contractor—J. D. Hogan, 1346 8th Ave., San Francisco.
COST, \$2000

BRICK WORK, ETC.

(2226) NO. 182 THIRTY-SECOND Ave. Excavating, brick work, plastering, etc., for dwelling.
Owner—H. L. Hirsh, Premises.
Architect—None.
Contractor—John Diestel, 248 Russ Bldg., San Francisco.
COST, \$1500

FRAME DWELLING

(2227) NO. 353 TWENTY-NINTH AV. (rear). One-story and basement frame dwelling.
Owner—Mrs. G. Roncelli, Premises.
Architect—None.
Day's work. COST, \$1000

(2228) W SEVENTH AVE 140 N Clement. Alter basement for garage.
Owner—C. F. Graeber, 4th Ave and Clement, San Francisco.
Architect—None.
Day's work. COST, \$1250

FRAME GARAGE

(2229) SE STEINER AND PAGE. One-story frame garage.
Owner—Mr. Buttgenbach, 332 Steiner, San Francisco.
Architect—None.
Contractor—G. A. Johnson, 419 27th, San Francisco.
COST, \$500

STEEL FRAME

(2230) NO. 336 SECOND. Erect steel frame for water tank.
Owner—Pacific Fire Extinguisher Co. Engineer—W. B. Kyle, 646 Call Bldg., San Francisco.
Contractor—Kyle & Co., 646 Call Bldg., San Francisco.
COST, \$2500

ALTERATIONS

(2231) NO. 1240 CALIFORNIA. Alter apartment vestibule.
Owner—L. R. Seigler, 110 Sutter, S. F.
Architect—None.
Contractor—Louis J. Cohn, 625 Market, San Francisco.
COST, \$1250

ALTERATIONS

(2232) NO. 233 PINE. Erect partition, flooring, etc.
Owner—J. J. Moore Co., Premises.
Architect—None.
Contractor—A. E. Disston, 1021 Clement, San Francisco.

COST, \$1000

ALTERATIONS

(2233) NO. 2747 MISSION. Alter show windows.
Owner—E. M. Morehouse, 872 Folsom, San Francisco.
Architect—None.
Contractor—C. C. Morehouse, 872 Folsom, San Francisco.

COST, \$400

REPAIRS

(2234) E MISSION near 21st. Repair stage.
Owner—Morris Gallas, Premises.
Architect—None.
Contractor—L. M. Coggins, 115 Turk, San Francisco.

COST, \$400

FRAME DWELLING

(2235) NO. 429 BRAZIL. One-story frame dwelling.
Owner—Thos. J. Rowland, Premises.
Architect—None.
Day's work.

COST, \$800

ALTERATIONS

(2236) NO. 71 CLARENDON. Plaster exterior of dwelling.
Owner—W. S. Pemberton, Premises.
Architect—None.
Contractor—Francis Reilly.

COST, \$550

APARTMENTS

(2237) S GREEN 137-6 W Powell W 46-3xS 137-6. All work for two-story and basement frame apartment building.

Owner—Fred Marra, 719 Green, S. F.
Architect—Chas. Fantoni, 550 Montgomery, San Francisco.
Contractor—G. B. Pasqualetti, 32 Harvard, San Francisco.

Filed Oct. 15, '19. Dated Oct. 9, '18.
Roofed and enclosed.....\$3125
Brown coated.....3125
Completed and accepted.....3125
Usual 35 days.....3125

TOTAL COST, \$12,500

Bond, \$6250. Sureties, G. B. Pasqualetti and Emilio Devincenti and Maria C. Bricca. Limit, 90 days. Forfeit, \$5. Plans and specifications filed.

DWELLING

(2238) NE TENTH AVE AND ANZA. All work except heating, etc., for two-story and basement dwelling.
Owner—Chas. H. and Ethel W. Falk, 2401 Jackson, San Francisco.

Architect—None.
Contractor—Fred Warden, 354 Sussex, San Francisco.

Filed Oct. 15, '19. Dated Oct. 11, '19.
Frame work completed.....\$1980.25
Brown coated.....1980.25
Completed and accepted.....1980.25
Usual 35 days.....1980.25

TOTAL COST, \$7921.00

Bond, \$3960.50. Sureties, Chas. Monson and O. Monson. Limit, 90 days after Oct. 14. Forfeit, \$10. Plans and specifications filed.

APARTMENTS

(2239) SW FIFTEENTH AVE AND Geary W 142 S 100 E 39-5½ SE 5½ in. E 102-5½ — 100-5. Sheet metal

work and patent flues for two three story frame apartment buildings.

Owner—Ben Schloss.
Architect—August G. Headman, Call Bldg., San Francisco.

Contractor—Frank Davison, 142 Herman, San Francisco.

Filed Oct. 15, '19. Dated Sept. 23, '19.
Sheet metal work and patent flues completed.....\$953.75
Usual 35 days.....331.25

TOTAL COST, \$1325.00

Bond, \$665. Sureties, Geo. W. Coefield and W. D. Duncan. Limit, 30 days. Forfeit, \$10. Plans and specifications filed.

(2240) PAINTING AND PAPERING on above.

Contractor—Raphael Zelinsky, 1512 California, San Francisco.

Filed Oct. 15, '19. Dated Sept. 23, '19.
2nd coat on inside and 1st coat on outside.....\$1750
Completed and accepted.....2442
Usual 35 days.....1398

TOTAL COST, \$5590

Bond, \$2800. Sureties, Gustave Schnee and Wm. Williams. Limit, 30 days. Forfeit, \$10. Plans and specifications filed.

(2241) LATHING AND PLASTERING on above.

Contractor—W. Williams, 110 Jessie, San Francisco.

Filed Oct. 15, '19. Dated Sept. 23, '19.
Brown coated.....\$ 984.70
Ready for finish coat.....3000.00
Completed and accepted.....3340.30
Usual 35 days.....2442.00

TOTAL COST, \$9767.00

Bond, \$4884. Sureties, Patrick Cassidy and R. Zelinsky. Limit, 35 days. Forfeit, \$10. Plans and specifications filed.

PLUMBING, ETC.

(2242) PLUMBING, GAS FITTING, Etc. on above.

Contractor—Geo. N. Zaro, 3150 Turk, San Francisco.

Filed Oct. 15, '19. Dated Sept. 23, '19.
Buildings roughed in.....\$2697
Completed and accepted.....2697
Usual 35 days.....1800

TOTAL COST, \$7194

Bond, Sureties, None. Forfeit, \$10. Limit, 40 days. Plans and specifications filed.

STEAM HEATING, ETC.

(2243) STEAM HEATING AND HOT water system on above.

Contractor—The Turner Co., 272 Tehama, San Francisco.

Filed Oct. 15, '19. Dated Sept. 23, '19.
Heating system roughed in.....\$ 880
Completed and accepted.....1760
Usual 35 days.....880

TOTAL COST, \$3520

Bond, \$1760. Sureties, D. Turner and S. D. Allen. Forfeit, \$10. Limit, 40 days. Plans and specifications filed.

ELECTRICAL WORK

(2244) ELECTRICAL WORK ON above.

Contractor—The Turner Co., 272 Tehama, San Francisco.

Filed Oct. 15, '19. Dated Sept. 23, '19.
Roughed in.....\$1976
Completed and accepted.....988
Usual 35 days.....988

TOTAL COST, \$3952

Bond, \$1976. Sureties, S. D. Allen and D. Turner. Forfeit, \$10. Limit, 40 days. Plans and specifications filed.

CARPENTER & MILL WORK.

(2245) CARPENTER & MILL WORK on above.

Contractor—Andrew Nelson, 467 Turk, San Francisco.

Filed Oct. 15, '19. Dated Sept. 23, '19.
Floor joists in.....\$1500
2nd floor in.....5000
Ready for roofing.....5000
Standing finish on.....5000
Completed and accepted.....8573
Usual, 35 days.....8358

TOTAL COST, \$33,431

Bond, \$16,726. Sureties, London and Lancashire Indemnity Co.; Forfeit, \$10. Limit, 100 days. Plans and specifications filed.

OFFICE BUILDING

(2246) SE CALIFORNIA AND SAN-some. All work for exterior and interior ornamental iron and bronze work for 12-story and basement, with mezzanine floor and roof house (office buildings).

Owner—Halford Guthrie Invest. Co., by P. J. Walker Co., Agent, Monadnock Bldg., San Francisco.

Architect—Geo. W. Kelham, Sharon Bldg., San Francisco.

Contractor—California Artistic Metal & Wire Co., 349 7th, San Francisco

Filed Oct. 15, '19. Dated Sept. 18, '19.
As work progresses.....75%
Usual 35 days.....Final

TOTAL COST, \$55,032

Bond, \$27,516. Surety, National Surety Co. (a corp.). Limit: 1st story door and window frames, March 1, 1920; stairs, 1st, mezzanine and 2nd stories, March 15, 1920; stairs, 3rd to 7th stories, inclusive, April 15, 1920; stairs, 8th to 12th stories, incl., May 15, 1920; elevator doors, 2nd to 5th stories, incl., May 15, 1920; elevator doors, 6th to 9th stories, incl., June 15, 1920; elevator doors, 10th, 11th, 12th and 1st stories, July 15, 1920; elevator cars, July 1, 1920; all rails and halustrades, June 15, 1920; elevator door bucks, April 15, 1920; Directory board, July 1, 1920; sidewalk lights and doors, July 1, 1920; skylight guards, July 1, 1920; mail chute frame, April 15, 1920; mat frames, July 1, 1920; remainder of material when required. Forfeit, none. Plans and specifications filed.

OFFICE FIXTURES, ETC.

(2247) NO. 570 MISSION. All work for office fixtures, fittings, including carpentry, mill work, deafening, glass, hardware and painting for six-story building.

Owner—D. N. & E. Walter & Co., Stockton and O'Farrell, S. F.

Architect—Houghton Sawyer, Hearst Bldg., San Francisco.

Contractor—Grace & Bernieri, Hearst Bldg., San Francisco.

Filed Oct. 15, '19. Dated Oct. 14, '19.
On 1st and 15th of each month.....75%
Usual 35 days.....Balance

TOTAL COST, \$14,205

Bond, \$7,102.50. Surety, Globe Indemnity Co. a corp. Limit, 45 days. Forfeit, \$10 per day. Plans and specifications filed.

EXCAVATING, ETC.

(2248) N POST 70 W Leavenworth. Excavating for trenches and leveling lot and all brick work and masonry for two-story brick stores

Owner—Paulina Schoenberg, 2010 Pacific Ave., San Francisco.

Architect—Mel I. Schwartz, Nevada

Bank Bldg., San Francisco.
 Contractor—Harry E. Drake, 1333
 Lincoln, San Francisco.
 Filed Oct. 15, '19. Dated Oct. 14, '19.
 Completed and accepted.....\$2212.50
 Usual 35 days.....737.50

Bond, none. Limit, 30 days. Forfeit,
 none. Plans and specifications, none.

ALTERATIONS

(2249) NO. 102 LAKE. All work for
 alterations and additions to resi-
 dence.

Owner—Mrs. A. O. De Watson, 121 2nd
 Ave., San Francisco.

Architect—None.

Contractor—Maas & McGahey, 565
 Douglass, San Francisco.

Filed Oct. 15, '19. Dated Oct. 11, '19.
 Roughed in and roof on.....\$1118
 Brown plaster on.....1118
 When completed.....1118
 Usual 35 days.....1118

TOTAL COST, \$4472
 Bond, none. Limit, 90 days. Forfeit,
 none. Plans and specifications filed.

OFFICE BUILDING

(2250) SW DAGGETT & SIXTEENTH
 Two-story frame office building.

Owner—Main Iron Works, 163 Main,
 San Francisco.

Architect—Weeks & Day, Phelan Bldg.,
 San Francisco.

Day's work. COST, \$22,000

FLATS

(2251) N FULTON 56 and 81 E 8th
 Ave. Two two-story and basement
 flats (2 flats in each).

Owner—J. M. Peters, 1010 Balboa, San
 Francisco.

Architect—None.

Day's work. Cost, \$3500 each

ALTERATIONS

(2252) NO. 2910 JACKSON. Alter for
 garage; tar and gravel roof.

Owner—Eliz. J. Richards, Premises.

Architect—None.

Contractor—James Jensen, 550 Val-
 encia, San Francisco.

COST, \$1740

ALTERATIONS

(2253) NW EDDY AND JONES. Alter
 store front.

Owner—Gartlant & Becker, Hotel
 Herald, San Francisco.

Architect—None.

Contractor—L. Fontaneller, 1920 Pine,
 San Francisco.

COST, \$950

ALTERATIONS

(2254) NO. 1457 HUDSON. Alter for
 dwelling.

Owner—Wm. Schobert, Premises.

Architect—None.

Day's work. COST, \$400

REPAIRS

(2255) NO. 1606 TURK. Repair roof.

Owner—Dr. J. Conradt, Novato, Cal.

Architect—None.

Contractor—C. M. Ganote, 2070 O'Far-
 rell, San Francisco.

COST, \$400

UNDERPIN, ETC.

(2256) NOS. 408-10 CASELLI. Con-
 crete foundation and underpin.

Owner—M. A. Eichler, Premises.

Architect—None.

Day's work. COST, \$400

DWELLINGS

(2257) E TWENTY-FOURTH AVE 150
 N Balboa N 100x E 120. All work for
 four one-story dwellings.

Owner—Jacob Weissbein, Hearst Bldg.,
 San Francisco.

Architect—None.

Contractor—Theodore G. and Rollen
 Meyer, 2628 Anza, San Francisco.

Filed Oct. 16, '19. Dated Oct. 10, '19.

Frames up.....\$4300
 Brown coated.....4300

Completed and accepted.....4300
 Usual 35 days.....4300

TOTAL COST, \$17,200
 Bond, \$8600. Surety, Anna Meyer.

Limit, 90 days. Forfeit, \$1. Plans and
 specifications filed.

DWELLINGS

(2258) W TWENTY-SEVENTH AVE
 285 N Balboa N 50xW 120. All work
 for two one-story five-room frame
 dwellings.

Owner—Jacob Weissbein, Hearst Bldg.,
 San Francisco.

Architect—None.

Contractor—Theodore G. and Rollen
 Meyer, 2628 Anza, San Francisco.

Filed Oct. 16, '19. Dated Oct. 10, '19.

Frames up.....\$2150
 Brown coated.....2150

Completed and accepted.....2150
 Usual 35 days.....2150

TOTAL COST, \$8600
 Bond, \$4300. Surety, Anna Meyer.

Limit, 120 days. Forfeit, \$1. Plans and
 specifications filed.

ALTERATIONS

(2259) NO. 1222 TWENTY-FOURTH
 Ave. All work except painting and
 window shades for alterations to
 residence.

Owner—Daisy D. and Arthur Kidd,
 Premises.

Architect—None.

Contractor—Maas & McGahey, 3974 22d
 St., San Francisco.

Filed Oct. 15, '19. Dated Oct. 15, '19.

Owner to pay all bills when due

Contractor to receive 10% of cost.

TOTAL COST not to exceed \$4000.
 Bond, none. Limit, 60 days. Forfeit,
 none. Plans and specifications filed.

ALTERATIONS

(2260) N ELLIS bet. Powell and Mas-
 son. All work of tile, marble, car-
 penter, electric and plastering, mill
 work for alterations and additions
 to Hotel Staller.

Owner—Chas. C. Moses.

Architect—Henry C. Smith, Humboldt
 Bank Bldg., San Francisco.

Contractor—Dugg Bros., Pacific Bldg.,
 San Francisco.

Filed Oct. 16, '19. Dated Oct. 9, '19.

On 1st and 15 of each month.....75%
 Usual 35 days.....25%

TOTAL COST, \$4567
 Bond, \$2300. Sureties, Mrs. M. Ruegg
 and Agatha Curtaz. Forfeit, none.

Limit, 35 days. Plans and specifications
 filed.

CONCRETE WORK

(2261) N POST bet. Hyde and Leaven-
 worth, adjoining garage 840 Post on
 east. Concrete work for a one-story
 brick auto repair shop.

Owner—Goldberg-Bowen Co., 254 Sut-
 ter, San Francisco.

Architect—S. Heiman, 57 Post, St. San
 Francisco.

Contractor—John Spargo, 240 Mont-
 gomery, San Francisco.

Filed Oct. 16, '19. Dated Oct. 11, '19.

Steel set.....\$462.50

Wall striped.....462.50

Completed and accepted.....462.50
 Usual 35 days.....462.50

TOTAL COST, \$1850
 Bond, \$925. Sureties Wm. Williams
 and John J. Hayden. Forfeit, none.

Limit, 15 days. No plans or specifica-
 tions filed.

FACTORY

(2262) NW ARKANSAS AND 17th.
 One-story frame factory.

Owner—Pacific Forge & Iron Co., Prem
 Architect—T. Ronneberg, Crocker Bldg.,
 San Francisco.

Contractor—Lindgren & Co., 972 Mo-
 nadnock Bldg., San Francisco.

COST, \$6000

FRAME DWELLING

(2263) W MIRAMAR 135 S Wildwood.
 One-story and basement frame dwlg.

Owner—H. C. & W. J. Mangels, 1142
 Naples, San Francisco.

Architect—Theo. Lenzen, Humboldt Bk.
 Bldg., San Francisco.

Contractor—Mangels Bros., 1142 Naples,
 San Francisco.

COST \$5950

STORE BLDG.

(2264) S MISSION 150 W Eighth. One
 story brick store building.

Owner—H. S. Perley, 166 Eureka, S. F.

Architect—L. F. Hyde, 2745 26th Ave.,
 Oakland.

Day's work. COST, \$5000

FRAME DWELLING

(2265) LINCOLN MANOR, Lot 32. Two
 story and basement frame building.

Owner—S. A. Born Bldg. Co., 37th Ave.
 and Shoreview Ave., S. F.

Architect—None.

Day's work. COST, \$5000

FRAME DWELLING

(2266) W PRABODY 114 and 153 N
 Viciation. Two one-story and base-
 ment frame dwellings.

Owner—R. Waldo, 1125 Colusa Ave.,
 Berkeley.

Architect—None.

Contractor—James M. Rich, 940 Rail-
 road Ave., San Francisco.

COST, \$3200 each

FRAME CHURCH

(2267) SW DELTA AND RAYMOND.
 One-story frame church.

Owner—Roman Catholic Archbishop of
 San Francisco, 1100 Franklin, S. F.

Architect—None.

Day's work. COST, \$1000

ALTERATIONS

(2268) NO. 1534 CLAY (rear). Alter
 for three basement garages.

Owner—B. P. Renner, 25 Parnassus
 Ave., San Francisco.

Architect—None.

Contractor—Chris Larsen & Son.

COST, \$600

FOUNDATION

(2269) SE OLIVE AND VAN NESS
 Aves. Concrete foundation.

Owner—Bothin Real Estate Co., 604
 Mission, San Francisco.

Architect—J. A. Ettler, 604 Mission, St.,
 San Francisco.

Day's work. COST, \$2000

FOUNDATION

(2270) NO. 1734 NINTH AVE. Foundation for dwelling.
Owner—Annie Broderick, Premises.
Architect—None.
Day's work. COST, \$500

GARAGE

(2271) NE WASHINGTON AND BRODERICK (rear). One-story frame garage
Owner—Geo. Gaffney, 2999 Washington
San Francisco.
Architect—None.
Contractor—H. C. Lewis, 68 Post. S. F.
COST, \$1250

ADDITION

(2272) NO. 4227 TWENTY-FOURTH.
Move dwelling and add three rooms.
Owner—Mrs. Maria Holm, Premises.
Architect—None.
Contractor—H. Holm, 4227 24th. S. F.
COST, \$2000

FRAME STORE

(2273) S HAIGHT 100 W Shradar.
One-story frame store.
Owner—H. Kerstgla, 1805 Haight, S. F.
Architect—None.
Day's work. COST, \$1000

ALTERATIONS

(2274) FOURTH AND MARKET. Install canopy ceiling.
Owner—Market Street Realty Co. Portola Theatre), Premises.
Designer—C. F. Cobblestick and A. T. Newsom, 220 Sharon Bldg., S. F.
Contractor—W. A. Goericke, 55 New Montgomery, San Francisco.
COST, \$1200

MARQUEE

(2275) S MARKET 200 E Sixth. Erect Marquee.
Owner—Strand Theatre, Premises.
Architect—None.
Contractor—Brumfield Elec. Sign Co., 18 7th, San Francisco.
COST, \$2985

GARAGE

(2276) S MISSION 175 W Sixth W 100 xS 160. All work except gasoline pump for one-story and basement concrete garage building.
Owner—T. J. Nellan, 316 Bush, San Francisco.
Architect—Paul F. Demartini and R. B. Cleghorn, 2123 Powell S. F.
Contractor—G. B. Pasqualetti, 110 Jessie, San Francisco.
Filed Oct. 17, '19. Dated Sept. 10, '19.
Steel set in main floor.....\$ 4,000
concrete poured to main floor. 4,000
Steel set in roof and fire walls 5,000
Concrete poured up to top of fire walls 5,000
Completed and accepted..... 10,125
Usual 35 days..... 9,375
TOTAL COST, \$37,500
Bond, \$18,750. Sureties, Marina C. Bricca and Antonio Laloel. Limit, 90 days. Forfeit, none. Plans and specifications filed.

RESTORE BUILDING

(2277) NO. 442-452 SECOND ST. bet. Harrison and Silver. All work to restore building damaged by fire (warehouse).
Owner—Joseph Bier, 2302 Stinner, San Francisco.
Architect—None.
Contractor—Cameron & Disston, Hearst Bldg., San Francisco.
Filed Oct. 17, '19. Dated Oct. 16, '19.
On 1st and 15th of each month 75%

On completion Balance
Contractor to receive actual cost plus 10%.
Bond, none. Limit, as soon as possible.
Forfeit, plans and specifications, none.

FRAME DWELLING

(2278) E SAN PABLO 950 E Portola.
Two-story and basement frame dwlg
Owner—Garden Homes Co., 278 Post, San Francisco.
Architect—H. H. Gutterston, 278 Post, San Francisco.
Contractor—John Bjorkman, 115 Seville, San Francisco.
COST, \$6463

REPAIRS

(2279) NOS. 16-18-20 GEARY. Repair fire damage.
Owner—Thos. Magee & Son, 14 Montgomery, San Francisco.
Architect—None.
Contractor—Grace & Bernieri, Claus Spreckels Bldg., San Francisco.
COST, \$1800

ALTERATIONS

(2280) NO. 633 BRODERICK. Alter present three flats into two flats.
Owner—H. Daseking, 336 Pierce, S. F.
Architect—None.
Day's work. COST, \$1500

ALTERATIONS

(2281) NO. 895 MARKET. Alter store front.
Owner—Albert Samuels Co., Premises.
Architect—
Contractor—Mullen Mfg. Co., 64 Rausch, San Francisco.
COST, \$2000

FRAME DWELLINGS

(2282) W EASTWOOD 125 and 165 N Wildwood Way. Two one-story and basement frame dwellings.
Owner—C. A. Hall, 1361 4th Ave., S. F.
Architect—None.
Day's work. COST, \$3000 each

FRAME DWELLING

(2283) W ELMIRA 225 N Augusta.
One-story and basement frame dwlg.
Owner—Hugo Larsen, 67 Waterville, San Francisco.
Architect—None.
Day's work. COST, \$1000

ALTERATIONS

(2284) NE BRYANT AND 24th. New front, ratproofing, etc.
Owner—Chas. Harkins, 2577 Bryant, San Francisco.
Architect—None.
Contractor—Mager Bros., 1318 Valencia, San Francisco.
COST, \$600

ADDITION

(2285) NOS. 358-74 PINE. Add one-room on roof.
Owner—Sophronia T. Hooper.
Engineer—M. Couchot, 110 Sutter St., San Francisco.
Contractor—D. W. Ross, 180 Jessie St., San Francisco.
COST, \$978

COMPLETE HOSPITAL

(2286) BUENA VISTA AND PARK Hill Aves. Concrete, plastering, masonry, painting, carpentry and tile work for completion of a certain portion of St. Joseph's Hospital, comprising boiler room annex together with an adjacent section of the main building.

Owner—St. Joseph's Home & Hospital (a corp), Premises.

Architect—Leo J. Devlin, Pacific Bldg., San Francisco.
Contractor—Fennell & Chisholm, 180 Jessie, San Francisco.
Filed Oct. 18, '19. Dated Oct. 17, '19.
On 1st of each month..... 75%
TOTAL COST, \$50,340
Bond, \$26,000. Sureties, D. J. Sullivan, John McGuigan and John W. Bender. Limit, 150 days. Forfeit, none. Plans and specifications filed.

LEASE.

San Francisco County.

Oct. 17, 1919—NO. 982 MARET N line bet. Mason and Taylor. Louis Friedlander to Geo. C. Condon, 5 years. Oct. 17, 1919—NO. 1029 MISSION SE line bet. 6th and 7th. Sullivan Estate Co to Benj Delmas, 2 years. \$7200. Oct. 15, 1919—NO. 1698 MARKET NE Gough, French Invst Co to D E Anglum, 5 years. \$9000.

'CANCELLATION OF BUILDERS' CONTRACT.

Between Herman C. Baumann, owner, and Robert G. Black, contractor. Erection of building at lot 1, block 3197, Westwood Park.

COMPLETION NOTICES.

San Francisco County

Oct. 9, 1919—NE FULTON and 15th Ave E 37-63N 100. August Bergstrom to John Johnson.....Oct. 9, 1919
Oct. 10, 1919—S CLINTON PARK, 212-6V Guerrero W 22-63S 15. John Lutich to whom it may concern.....Oct. 8, 1919
Oct. 10, 1919—NE SACRAMENTO & Leidesdorff. Martin N. Tovaraz to Home Mfg. Co.....Oct. 3, 1919
Oct. 11, 1919—NE ANZA & TWENTY-third Ave. Karl H. Holmgren to whom it may concern.....Oct. 11, 1919
Oct. 11, 1919—N TARAVAL 107-6 W 31st Ave. E J Gallagher to whom it may concern.....Oct. 10, 1919
Oct. 14, 1919—LOT 7 BLK 3165. Westwood Park. Hans Nelson to Nelson Bros.....Oct. 10, 1919
Oct. 14, 1919—NO. 2600 McALLISTER Alice M. Keatinge to whom it may concern.....Oct. 11, 1919
Oct. 14, 1919—S GEARY 92-6 W Powell W 45xS 137-6. T W Corder Inc. to Branch & Coffey.....Oct. 9, 1919
Oct. 14, 1919—W LEAVENWORTH 67-6 N Bush N 32-6xW 87-6. Oscar H. Curtaz to whom it may concern.....October 14, 1919
Oct. 15, 1919—PTN LOTS 2 AND 3 Blk 2986. Claremont Court. John J. Bine Co and Alfred Friedman to whom it may concern.....Sept. 30, 1919
Oct. 15, 1919—NW HOWARD 423 NE 2nd NE 90xNW 165. Waterhouse & Lester Co to Roscoe W. Littlefield.....Oct. 8, 1919
Oct. 15, 1919—SE NINETEENTH Ave. and Judah S 25-6 E 130 S 25-6 W 120. N 25. John and Matilda Motrow to Ed Zinkand & Son.....Oct. 6, 1919
Oct. 17, 1919—E VAN NESS AVE 25-6 S Ellis E 45-54. E 138-6 N 70 W 27-6 S 25-6 W 109. Jno T. Harnes Tr Nellie M. Lowry, Agnes Lowry and Isabel L. Soule to Paul K. Jones.....Oct. 16, 1919
Oct. 17, 1919—SE BRYANT AND Tenth S 100x E 185. The Holmes Invst Co to Mission Concrete Co.....Oct. 10, 1919
Oct. 17, 1919—N ANZA 80 W 23rd Ave W 26-8xN100. E Mohler to whom it may concern.....Oct. 15, 1919
Oct. 17, 1919—NW TWENTY-EIGHTH Ave and Anza N 35xW 57-6. A E Thompson to whom it may concern.....Oct. 16, 1919
Oct. 17, 1919—E THIRTY-SECOND Ave 50 N Geary 25x72. John Gray to David Leifer.....Oct. 17, 1919
Oct. 17, 1919—W TWENTY-SECOND Ave 199-5 N Cabrillo 50x 120. Jas E Edmonds to C S. Alfred. Oct. 16, '19

BUILDING CONTRACTS.

Contractor—P. A. Newby, 2263 Auseon Ave., Oakland.

COST, \$2000

Alameda County.

3208	Norris	Norris	6000
3209	Sang	Owner	3000
3210	Noble	Noble	9000
3211	Fox	Newby	2000
3212	Houck	Houck	4000
3213	Hennings	Woodard	14000
3214	Steere	Pedgrift	2500
3215	Schomig	Schomig	2000
3216	Jackson	Jackson	1000
3217	Wo	Kd Ref	3000
3218	Dalmert	Lewis	1500
3219	Schroder	Schroder	1300
3220	Riskins	Riskins	400
3221	S P	Paraffine	1680
3222	Hipsley	Begur	937
3223	Hames	Schmidt	600
3224	Hood	Hood	600
3225	Massip	Schnebley	750
3226	Colby	Cook	400
3227	White	White	400
3228	Gallagher	Livingston	1400
3229	Healy	Owner	1750
3230	Shed	Ahnfeldt	800
3231	Koford	Kopf	4000
3232	Sadler	Sadler	1500
3233	Jones	Jones	1300
3234	Speed	Knight	400
3235	St. Joseph's	Smith	750
3236	Lockwood	Owner	500
3237	Foy	Williamson	450
3238	Keimick	Schnebley	800
3239	Lovejoy	Lovejoy	3900
3240	Steiner	Anderson	6000
3241	Haley	Haley	1200
3242	Sang	Sang	2500
3243	Olson	Olson	3000
3244	Edwardsport	Nickerson	3000
3245	Affetta	Edwards	400
3246	Eck	Eck	500
3247	Bryant	Anderson	1500
3248	Baldwin	Owner	500
3249	Perfection	Fortin	400
3250	Feaser	Feaser	450
3251	Hicks	Hicks	500
3252	Haraman	Owner	500
3253	S P Co.	Wocker	2380
3254	Berkeley	Gladding	3260
3255	Same	Scott	5478
3256	Same	Same	2987
3257	Same	Same	4479
3258	Banker	Wilson	11700
3259	Deiger	Deiger	3000
3260	Emeryville Inv	Owner	6000
3261	Lesure	Lesure	4000
3262	Gier	Boedeker	12500
3263	Lapp	Lima	475
3264	Bullock	Bullock	500
3265	MacGregor	Owner	15000
3266	Canner	Eatey	400
3267	Shirk	Scannon	1000
3268	Huckel	Trammal	400
3269	Gaba	Gaba	3000
3270	Reed	Reed	3000
3271	Strang	Strang	5500
3272	Same	Same	5500
3273	Same	Same	5000
3274	Haley	Rose	400

DWELLINGS

3208) LOTS 16 AND 17 Lincoln Park
Tract, Piedmont. Two two-story
frame dwellings.
Owner—Justine Norris, 2828 Richmond
Ave., Oakland.
Architect—None.
Day's work. COST, \$3000 each

ALTERATIONS

3209) NO. 479 NINTH, Oakland.
Alter store.
Owner—Wing Sang, Premises.
Architect—None.
Day's work. COST, \$3000

DWELLINGS

3210) S THIRTY-FIFTH 400, 440 &
480 W Telegraph Ave., Oakland.
Three one-story 5-room dwellings.
Owner—G. R. Noble, 2205 Santa Clara
Ave., Alameda.
Architect—None.
Day's work. COST, \$3000 each

DWELLING

3211) E EIGHTY-SIXTH AVE 125 N
Dowling, Oakland. One-story five-
room dwelling.
Owner—Geo. H. Fox.
Architect—None.

DWELLING

3212) SE EVANS AND EVERETT
Aves., Oakland. One-story 7-room
dwelling.
Owner—H. L. Houck, 4555 Park Blvd.,
Oakland.
Architect—None.
Day's work. COST, \$4000

APARTMENTS

3213) SE PARK BLVD & WELLING-
ton, Oakland. Two-story stores and
apartments.
Owner—Edw. Hennings, San Francisco
Architect—None.
Contractor—E. W. Woodard, 4025
Brighton Ave., Oakland.
COST, \$14,000

ALTERATIONS

3214) NO. 533 APGAR, Oakland.
Alter dwelling into apartments.
Owner—Mrs. J. E. Steere, Premises.
Architect—None.
Contractor—Jas. H. Pedgrift, 565 16th,
Oakland. COST, \$2500

DWELLING

3215) N THOMPSON 41 E 45th Ave.,
Oakland. One-story 5-room dwlg.
Owner—A. Schomig, 4335 Thompson.
Oakland.
Architect—None.
Day's work. COST, \$2000

REPAIRS

3216) SEVENTEENTH AND WOOD,
Oakland. Repairs.
Owner—Jackson Furniture Co., 1305
Clay, Oakland.
Architect—None.
Day's work. COST, \$1000

ICE BOX

3217) NO. 461 NINTH, Oakland. Ice
box.
Owner—Chin Wo Co., Premises.
Architect—None.
Contractor—Oakland Refrigerator
Co., 2766 Grove, Oakland.
COST, \$3000

ALTERATIONS

3218) NW FIFTY-FOURTH AND
Allen, Oakland. Alterations.
Owner—F. Dalmert, Premises.
Architect—None.
Contractor—M. H. Lewis, 982 56th.
Oakland. COST, \$1500

DWELLING

3219) N TULIP 300 E Madrone, Oak-
land. One-story 4-room dwelling
Owner—A. G. Schroder, Oakland.
Architect—None.
Day's work. COST, \$1300

ALTERATIONS

3220) NO. 951 LAKESHORE AVE.,
Oakland. Alterations.
Owner—A. Riskins, Premises.
Architect—None.
Day's work. COST, \$400

ROOFING

3221) OAKLAND MOLE, Oakland.
Roofing.
Owner—Southern Pacific Co.
Architect—None.
Contractor—Paraffine Paint Co., 565
16th, Oakland.
COST, \$1680

SHED

3222) S E-FOURTEENTH 50 W 86th
Ave., Oakland. Shed.
Owner—M. Hipsley, 8527 E-14th, Okd.
Architect—None.
Contractor—Begur & Hememan, Okd.
COST, \$937

ADDITION

3223) NO. 1554 BRIDGE AVE.,
Oakland. Addition.
Owner—J. N. Bames, Premises.
Architect—None.
Contractor—B. H. Schmidt, 2237 E-
19th, Oakland.
COST, \$400

ALTERATIONS

3224) NO. 3059 GEORGIA, Oakland.
Alterations and additions.
Owner—Myrtle Hood, 3309 E-8th, Okd.
Architect—None.
Contractor—Thomas Hood, 3309 E-8th,
Oakland.
COST, \$600

REPAIRS

3225) NO. 925 THIRTY-EIGHTH,
Oakland. Fire repairs.
Owner—Lee Massip, Premises.
Architect—None.
Contractor—Schnebley & Hostrawser,
6th and Jackson, Oakland.
COST, \$750

ALTERATIONS

3226) NO. 821 E-TWELFTH, Oak-
land. Alterations.
Owner—Geo. W. Colby, 827 E-12th,
Oakland.
Architect—None.
Contractor—E. P. Cook, 1744 13th Ave
Oakland.
COST, \$400

GARAGE

3227) NO. 2116 BLAKE, Berkeley.
Garage.
Owner—M. A. White, 2124 Blake, Bkly.
Architect—None.
Day's work. COST, \$400

ALTERATIONS

3228) NO. 2631 FULTON, Berkeley.
Alterations.
Owner—Geo. A. Gallagher, Premises.
Architect—None.
Contractor—Wm. Livingston, 2918 Ellis
Berkeley.
COST, \$1400

DWELLING

3229) NO. 1216 TALBOT AVE., Ber-
keley. One-story 4-room dwlg.
Owner—Mary C. Healy, 842 37th, Okd.
Architect—None.
Contractor—P. J. Healy, 842 37th, Okd.
COST, \$1750

GARAGE

3230) NO. 110 THE UPLANDS, Ber-
keley. Garage.
Owner—A. V. Sherry, Premises.
Architect—None.
Contractor—Ahnfeldt & Brennan, 3108
Harper, Berkeley.
COST, \$800

DWELLING

3231) BROADWAY AND CENTRAL
Ave., Alameda. One and one-half-
story 6-room dwelling.
Owner—Albert F. Koford, 2518 Lin-
coln Ave., Alameda.
Architect—None.

Contractor—Ben F. Kopf, 1015 82nd Ave., Oakland.

COST, \$4000

DWELLING

(1232) NO. 451 LINCOLN AVE., Alameda. One-story 5-room dwelling.

Owner—F. C. Sadler, 449 Lincoln Ave., Alameda.

Architect—None.

Day's work. COST, \$1500

DWELLING

(3233) NINTH bet. Pacific and Buena Vista, Alameda. One-story 4-room dwelling.

Owner—L. E. Jones, 723 Lincoln Ave., Alameda.

Architect—None.

Day's work. COST, \$1300

GARAGE

(3234) SAN JOSE AND MOUND, Alameda. Garage.

Owner—T. Speed, Premises.

Architect—None.

Contractor—H. C. Knight, 2265 Powell Blvd., Alameda.

COST, \$400

TEMPORARY BLDG.

(3235) SAN ANTONIO AND LAFAYETTE, Alameda. Temporary building.

Owner—St. Joseph's Parish.

Architect—None.

Contractor—J. W. Smith, 2109 Santa Clara Ave., Alameda.

COST, \$750

ALTERATIONS

(3236) NO. 549 SANTA CLARA AVE., Alameda. Alterations.

Owner—L. Lockwood, 717½ Haight Ave., Alameda.

Architect—None.

Day's work. COST, \$500

ALTERATIONS

(3237) NO. 1200 ST. CHARLES, Alameda. Alterations.

Owner—Mark Foy, Premises.

Architect—None.

Contractor—E. M. Williamson, 3731 Allendale Ave., Oakland.

COST, \$450

ADDITION

(3238) NO. 1208 ST. CHARLES, Alameda. Addition.

Owner—Geo. Keimick, Premises.

Architect—None.

Contractor—Schnebly & Hostrowser, 6th and Jackson, Oakland.

COST, \$800

DWELLING

(3239) E EMERSON 200 S E-37th, Oakland. Two-story 6-room dwlg.

Owner—L. H. and F. V. Lovejoy, 1309 E-37th, Oakland.

Architect—None.

Day's work. COST, \$2900

STORE

(3240) SE COLLEGE AND KEITH Aves., Oakland. One-story stores.

Owner—J. J. Steiner, Premises.

Architect—L. A. Bryant, 1st National Bank Bldg., Oakland.

Contractor—Anderson & Bryant, 5654 College Ave., Oakland.

COST, \$6000

APARTMENTS

(3241) S CHENEY 48 E Walker Ave., Oakland. Two-story 18-room apartments.

Owner—H. W. Haley, 559 16th, Oakland.

Architect—None.

Day's work. COST, \$12,000

MARKET

(3242) S NINTH 150 W Broadway (rear), Oakland. Two-story brick market.

Owner—Wing Sang Co., 479 9th, Okk.

Architect—None.

Day's work. COST, \$2500

DWELLING

(3243) S FORTY-THIRD 120 E Grove, Oakland. One-story 5-room dwlg.

Owner—Alfred Olson, 565 16th, Okk.

Architect—None.

Day's work. COST, \$3000

DWELLING

(3244) NW FAIRVIEW & TREMONT Oakland. One-story 5-room dwlg.

Owner—G. E. Davenport, 348 63rd, Oakland.

Architect—None.

Contractor—George Nickerson, 1901 Buena Vista Ave., Alameda.

COST, \$3000

RESHINGLE

(3245) NW FIFTH AND MYRTLE, Oakland. Reshingle.

Owner—L. Raffetta, Premises.

Architect—None.

Contractor—H. J. Edwards, 1215 Poplar, Oakland.

COST, \$100

DWELLING

(3246) N FORTY-NINTH 80 W Lawton Ave., Oakland. One-story 3-room dwelling.

Owner—J. L. Eck, 1114 Kirkham, Okk.

Architect—None.

Day's work. COST, \$500

ADDITION

(3247) NO. 495 JEAN, Oakland. Addition.

Owner—L. A. Bryant, Premises.

Architect—None.

Contractor—Anderson & Bryant, 5654 College Ave., Oakland.

COST, \$1500

ADDITION

(3248) NO. 3676 MADRONE AVE., Oakland. Addition.

Owner—Thos. E. Baldwin, Premises.

Architect—None.

Day's work. COST, \$500

SHOP

(3249) W BROADWAY 100 N 21st, Oakland. One-story brick tire shop.

Owner—Perfection Tire Sales Co., 2115 Broadway, Oakland.

Architect—None.

Contractor—O. V. Fortin, 2359 Waverly Oakland.

COST, \$400

ADDITION

(3250) NO. 2276 HOPKINS, Oakland. Addition.

Owner—Lillian Feeser.

Architect—None.

Day's work. COST, \$450

ADDITION

(3251) NO. 1641 EIGHTY-FIRST AVE., Ave., Oakland. Addition.

Owner—A. L. Hicks, Premises.

Architect—None.

Day's work. COST, \$600

DWELLING

(3252) S WISCONSIN 200 W Midvale, Oakland. One-story 3-room dwlg.

Owner—Jas. H. Haraman, Wisconsin and Midvale, Oakland.

Architect—None.

Day's work. COST, \$500

ADDITIONAL CONTRACTS FILED.

S. P. Co., owner, with A. C. Wocker, contractor; painting, etc., of interior of 16th St. Station, Oakland. Cost, \$2,380.

Board of Education of Berkeley with Gladding-McLean Co., contractor, for tile roof work for addition to school on Telegraph Ave. between Ward and Stuart streets, Berkeley. Cost, \$3260.

Same with Scott Co., for heating and ventilating for same. Cost, \$5,476.

Same with same for heating and ventilating for school on S Oregon street between Grant street and McGee avenue. Cost, \$2,997.

Same with same for heating and ventilating for school on University avenue between Curtis and Bonar streets, Berkeley. Cost, \$4,479.

PAINTING, ETC.

(3253) SIXTEENTH ST. STATION, Oakland. Painting, etc., interior of 16th St. Station.

Owner—Southern Pacific Company.

Architect—None.

Contractor—A. C. Wocker, 1370 Sutter St., San Francisco.

Filed Oct. 16, '19. Dated Oct. 3, '19.

Each month 75%

Usual 35 days 25%

TOTAL COST, \$2830

Bond, \$1800. Surety, Hartford Accident & Indemnity Co. Limit, 30 days.

Forfeit, none. Specifications only filed.

TILE WORK

(3254) E TELEGRAPH AVE. bet. Ward and Stuart, Berkeley. Tile roof work for alterations and additions to Francis Willard School.

Owner—The Board of Education of the City of Berkeley & Berkeley School District in the County of Alameda, State of California.

Architect—James W. Plachek, 2014

Shattuck Ave., Berkeley.

Contractor—Gladding, McBean & Co., Crocker Bldg., San Francisco.

Filed Oct. 15, '19. Dated Oct. 6, '19.

1st Saturday after 1st Tuesday of each month 75%

Usual 35 days 25%

TOTAL COST, \$3260

Bonds, \$815 and \$1630. Surety, Globe

Indemnity Co. Limit, 50 days.

Forfeit, none. Plans and specifications, none.

(3255) HEATING & VENTILATING

on above.

Contractor—Scott Co., 381-383 11th St., Oakland.

Filed Oct. 15, '19. Dated Sept. 25, '19.

Payments same as above.....

TOTAL COST, \$5476

Bonds, \$1369 and \$357. Surety, New

Amsterdam Casualty Co. Limit, 50

days. Forfeit, plans and specifications, none.

HEATING SYSTEM, ETC.

(3256) S OREGON bet. Grant and McGee Ave., Berkeley. All work for

heating and ventilating on Edison

School.

Owner—The Board of Education of the City of Berkeley & Berkeley School District in the County of Alameda, State of California.

Architect—Walter H. Ratcliff Jr., 1st National Bank Bldg., Berkeley.
Contractor—Scott Co., 381-383 11th St., Oakland.

Filed Oct. 15, '19. Dated Sept. 25, '19. 1st Saturday after 1st Tuesday of each month 75%
Usual 35 days 25%

TOTAL COST, \$2997

Bonds, \$1499 and \$750. Surety, New Amsterdam Casualty Co. Limit, as progress of building permits. Forfeit, plans and specifications, none.

HEATING SYSTEM, ETC.

(3257) S UNIVERSITY AVE bet. Curtis and Bonar, Berkeley. All work for heating and ventilating on Burbank School.

Owner—The Board of Education of the City of Berkeley & Berkeley School District in the County of Alameda, State of California.

Architect—Walter H. Ratcliff Jr., 1st National Bank Bldg., Berkeley.
Contractor—Scott Cor., 243 Minna St., San Francisco.

Filed Oct. 15, '19. Dated Sept. 25, '19. 1st Saturday after 1st Tuesday of each month 75%
Usual 35 days 25%

TOTAL COST, \$4479

Bonds, \$1120 and \$2240. Surety, New Amsterdam Casualty Co. Limit, as building progresses. Forfeit, plans and specifications, none.

DWELLING

(3258) SV ELSIE and HARWOOD Aves., Oakland. Two-story 10-room dwelling.

Owner—B. A. Banker, 5436 Hoyd Ave., Oakland.

Architect—None.
Contractor—Leslie R. Wilson, 2216 Blake, Berkeley.

COST, \$11,700

ALTERATIONS

(3259) S FOURTEENTH bet. Broadway and Washington, Oakland. Alter office building.

Owner—Delger Estate, Premises.

Architect—Walter Mathews, 927 Broadway, Oakland.
Day's work. COST, \$3000

DWELLINGS

(3260) S FORTY-SIXTH 350 and 390 W West, Oakland. Two one-story 5-room dwellings.

Owner—Emeryville Investment Co., 1st National Bank Bldg., Emeryville.
Architect—None.

Day's work. COST, \$3000 each

DWELLING

(3261) S FOREST 70 E Miles Ave., Oakland. Two-story 6-room dwelling

Owner—E. T. Lesure, 484 Forest, Okd.
Architect—Edward E. Young, 251 Kearny, San Francisco.

Day's work. COST, \$4000

DWELLINGS

(3262) E MITCHELL 92, 126, 160, 194 and 228 S E-16th, Oakland. Five one-story 5-room dwellings.

Owner—Theo. Gier.
Architect—None.

Contractor—Jos. Boeddeker, 1814 34th Ave., Oakland.

COST, \$2500 each

ALTERATIONS

(3263) NO. 5133 E-FOURTEENTH, Oakland. Alterations.

Owner—E. Lapp, Premises.

Architect—None.

Contractor—M. Lima, 5108 E-14th, Okd.

COST, \$475

ALTERATIONS

(3264) NO. 942 BAY VIEW AVE., Oakland. Alterations.

Owner—P. A. Bullock, Premises.

Architect—None.

Day's work. COST, \$500

DWELLINGS

(3265) N BERKELEY WAY 140.66, 175.66, 210.66, 245.66, 280.66 and 315.66 E Acton, Berkeley. Six one-story 6-room dwellings.

Owner—C. M. MacGregor, 470 13th St., Oakland.

Architect—None.

Day's work. COST, \$2500 each

GARAGE

(3266) NO. 1516 LEE ROY, Berkeley. Garage.

Owner—H. H. Camper, Premises.

Architect—None.

Contractor—G. P. Estey, 1815 Hearst Ave., Berkeley.

COST, \$400

DWELLING

(3267) NO. 1701 HEARST AVE., Berkeley. One-story 4-room dwelling.

Owner—D. L. Shirk.

Architect—None.

Contractor—R. R. Scammon, 1719 Hearst Ave., Berkeley.

COST, \$1000

ADDITION

(3268) NO. 2523 HASTE, Berkeley. Addition.

Owner—Jno. Huckel, 2520 Channing Way, Berkeley.

Architect—None.

Contractor—Enoch Tranmal, 854 54th, Oakland.

COST, \$400

DWELLING

(3269) W LOCKSLEY AVE 210 N Clifton, Oakland. One-story 6-room dwelling

Owner—J. W. Gaba, 5782 Shafter Ave., Oakland.

Architect—None.

Day's work. COST, \$3000

DWELLING

(3270) W ADELIN 35 N 56th, Oakland. One-story 5-room dwelling.

Owner—C. W. Reed, 5617 Adeline, Okd.

Architect—None.

Day's work. COST, \$3000

DWELLING

(3271) N EXCELSIOR BLVD. opp Athol Ave., Oakland. Two-story 7-room dwelling.

Owner—F. N. Strang, 1405 Central Ave., Alameda.

Architect—None.

Day's work. COST, \$5500

DWELLING

(3272) N EXCELSIOR BLVD 50 E Athol Ave., Oakland. Two-story 7-room dwelling.

Owner—F. N. Strang, 1405 Central Ave., Alameda.

Architect—None.

Day's work. COST, \$5500

Owner—F. N. Strang, 1405 Central Ave., Alameda.

Architect—None.

Day's work. COST, \$5500

DWELLING

(3273) S MANDANA BLVD. 450 W Carlstor Oakland. Two-story 6-room dwelling.

Owner—F. N. Strang, 1405 Central Ave., Alameda.

Architect—None.

Day's work. COST, \$5000

ALTERATIONS

(3274) NO. 3016 E-TWENTY-SECOND Oakland. Alterations.

Owner—T. R. Haley.

Architect—None.

Contractor—A. H. Rose & Co., 525 17th, Oakland.

COST, \$400

COMPLETION NOTICES.

Alameda County.

Recorded

Accepted

Oct. 6, 1919—(1) E 82½ LOTS 1 AND 2 Blk 9 4th W Terrace; (2) Lot 44 Blk G, 4th Ave. Terrace, Okd., Grace C Woodburn to whom it may concern.....Oct. 1, 1919

Oct. 6, 1919—S CENTRAL AVE 110 from E line Park E 39-6 S 180 W 29-6 N 175.....Clement Bonnemazou to Schnebly & Hostrawner.....Sept. 28, 1919

Oct. 7, 1919—W SUTER 255-27 W High SW 98-26 N 35, Okd. Waterfront Sash & Door Co. to W J Moore.....Oct. 7, 1919

Oct. 8, 1919—(1) LOTS 21 AND 22 Blk 5; (2) Lots 23 and 24 and NE 10 Lot 25 Blk 5; (3) SW 15 Lot 25, Lot 26 and NE 10 Lot 27 Blk 5, Map Anseon's Moss Tract, Okd. R J Pavert Inc to whom it may concern.....Oct. 4, 1919

Oct. 8, 1919—S DAYTON AVE 195 E Grand, Ala. Helen E Davis to Chas Burton.....Sept. 28, 1919

Oct. 9, 1919—E MILES AVE 40 S Forest, Okd. E T Lesure to whom it may concern.....Oct. 6, 1919

Oct. 9, 1919—N THIRTEENTH ST, 100 E Alice St. E 103, N 200, W 94, S 100, W 9, S 100. William G. Henshaw to Mealey & Collins.....Oct. 7, 1919

Oct. 10, 1919—E BRUSH ST. if extended south 35 deg. S 1st St. E 79xS 76, Oakland. Pacific Gas & Electric Co. to W. P. Fuller & Co.....Oct. 4, 1919

Oct. 16, 1919—E 10 Lot 97 and W 35 Lot 98 Map 104 Ave Terrace Extension, Okd. Katherine Houck to Harry L Houck.....Oct. 14, 1919

Oct. 17, 1919—S HENRY 240 N Cedar 35x135; W Henry 400 N Cedar 50x135. Edith and Bessy Sprague by F R Peake to F R Peake, Oct. 1, 1919

Oct. 17, 1919—NO. 2417 DELMAR ST., Okd. N Morlan to C M Dean.....October 14, 1919

.....October 14, 1919

.....October 14, 1919

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Contractor—M. Perrino, 160 Race St., San Jose.

COST, \$1600

BUILDING CONTRACTS.

Santa Clara County.

FRAME COTTAGE

W TWELFTH near Santa Clara St., San Jose. All work except finish hardware and heating for one-story frame cottage and garage.

Owner—Joseph Richards, 2 S-13th St., San Jose.

Architect—Chas. S. McKenzie, Bank of San Jose Bldg., San Jose.

Contractor—J. E. Perkins, 1562 E-Santa Clara St., San Jose.

Filed Oct. 6, '19. Dated Oct. 3, '19.

Concrete foundation in and frame up

1st coat plaster on house... 1087.50

Frome completed and roof sheathed

House and garage completed 1087.50

Usual 35 days..... 1450.00

TOTAL COST, \$5800.00

Bond, \$3000. Sureties, James H. Pierce and J. P. Jarman. Limit, 60 working days from Oct. 6. Forfeit, none. Plans and specifications filed.

FRAME RESIDENCE

HANCHETT TRACT, San Jose. All work for one-story frame residence.

Owner—G. P. Nelson, 160 Auzerals St., San Jose.

Architect—Wolfe & Higgins, 93 Auzerals Bldg., San Jose.

Contractor—John F. Dowle, 43 Grand St., San Jose.

Filed Oct. 7, '19. Dated Oct. 2, '19.

Frame up

1st coat plaster on

Finished and accepted..... 1375

Usual 35 days..... 1375

TOTAL COST, \$5500

Bond, \$2750. Sureties, J. V. Chase and S. H. Chase. Limit, 100 working days from Oct. 2, 1919. Forfeit, \$2 per day. Plans and specifications filed.

ALTERATIONS

SAN JOSE. All work for alterations on warehouse and garage at Distributing Station.

Owner—Associated Oil Co. of Calif., Engineer—A. F. L. Bell.

Contractor—R. O. Summers, 17 N-1st St., San Jose.

Filed Oct. 4, '19. Dated Sept. 20, '19.

Completed and accepted..... 75%

Usual 35 days..... 25%

TOTAL COST, \$5202.50

Bond, \$5200. Surety, Hartford Accident & Indemnity Co. of Connecticut. Limit, forfeit, none. Plans and specifications filed.

COTTAGE

S THIRTEENTH ST. near William St., San Jose. One-story cottage.

Owner—S. D. Williams, 341 S-15th St., San Jose.

Architect—None.

Day's work..... COST, \$3400

REPAIR SHOP

PLEASANT AND JULIAN STS., San Jose. Repair shop.

Owner—Rean Spray Pump Co., Julian and Terrane Sts., San Jose.

Architect—None.

Contractor—R. O. Summers, 17 North First St., San Jose.

COST, \$7819

ADDITION
DELMAS AND COLFAX STS., San Jose. Addition.
Owner—Andy Viet, 610 Delmas St., San Jose.
Architect—None.
Day's work..... COST, \$1000

COMPLETION NOTICES.

Santa Clara County.

Recorded Accepted
Oct. 6, 1919—SE SIXTH AND ST. James Sts., San Jose. Salvatore and Mary Piazza to Frank L Hoyt Oct. 4, 1919
Oct. 9, 1919—CAMPUS OF STANFORD University, Palo Alto. Mrs Lou Henry Hoover to H P Nelson Oct. 4, 1919
Oct. 10, 1919—NAGLEE PARK TCT, San Jose. A M Whiteside to whom it may concern..... Oct. 10, 1919

BUILDING CONTRACTS.

Sacramento County.

ALTERATIONS
NO. 3249 SECOND AVE., Sacramento. Alter restaurant.
Owner—W. Erwin, 3353 2nd Ave., Sacramento.
Architect—None.
Day's work..... COST, \$1000

FRAME DWELLINGS
E ½ LOTS 6 AND 7 V, W, 23rd and 24th Sts., Sacramento. Two one-story frame dwellings.
Owner—Walter J. Taylor, 1529 "K" St., Sacramento.
Architect—None.
Contractor—Jas. A. McCullough, 1015 23rd St., Sacramento.
Filed Oct. 11, '19. Dated Oct. 8, '19.
COST, \$3925 each

BUILDING
NO. 1215 THIRTY-EIGHTH ST., Sacramento. Building.
Owner—Jess I. Lubin, 3333 Serra Way, Sacramento.
Architect—None.
Contractor—E. A. Corum, 2533 Portola Way, Sacramento.
Filed Oct. 1, '19. Dated Oct. 10, 19.
COST, \$11,405

BUILDING
S 75 N 200 Lot-9 Tullar Tract, Sacramento. Two-story building.
Owner—C. B. McKee, 308 Mitau Bldg., Sacramento.
Architect—None.
Contractor—C. J. Guth, 1516 27th St., Sacramento.
Filed Oct. 11, '19. Dated Oct. 7, '19.
COST, \$10,646

FRAME RESIDENCE
NO. 514 THIRTY-FIRST ST., Sacramento. Two-story 6-room frame residence.
Owner—G. C. Moore, Victoria, B. C.
Architect—None.
Contractor—J. Edenhofer, 3027 4th Ave., Sacramento.
COST, \$3700

FRAME RESIDENCE
NO. 411 "W" ST., Sacramento. Two-story 6-room frame residence.
Owner—Fong Chang, 1113 3rd St., Sacramento.
Architect—None.
Contractor—G. E. Brown, Sacramento.
COST, \$2400

RESIDENCE
NO. 1141 FORTY-FIRST ST., Sacramento. Two-story frame residence.
Owner—W. L. Evans, 1015 Dolores St., Sacramento.
Architect—None.
Contractor—C. J. Hopkinson, 1318 25th St., Sacramento.
COST, \$6500

RESIDENCES
NOS. 320 AND 343 THIRTY-SECOND ST., Sacramento. Two one-story 5-room frame residences.
Owner—D. C. Carmichael Co., 1005 8th St., Sacramento.
Architect—None.
Contractor—J. Omand.
COST, \$3000 each

ALTERATIONS
NO. 807 "K" ST., Sacramento. Remodeling shoe store.
Owner—Henry Haas, Premises.
Architect—None.
Contractor—G. E. Stahl, San Francisco Bldg., Sacramento.
Filed Oct. 6, '19. Dated Oct. 6, '19.
COST, \$5165

ALTERATIONS
NO. 2310 "M" ST., Sacramento. Remodel residence.
Owner—C. C. Robertson, Premises.
Architect—None.
Contractor—G. E. Harvie, 2212 "T" St., Sacramento.
COST, \$2000

ALTERATIONS
NO. 1106 FIFTH ST., Sacramento. Remodel interior of store.
Owner—J. T. Stoll, Stoll Bldg., Sacramento.
Architect—None.
Contractor—Siller Bros., 1614 13th St., Sacramento.
COST, \$2000

ALTERATIONS
NO. 1021 THIRD ST., Sacramento. Alter interior of frame residence.
Owner—M. E. Moisset, Oakland.
Architect—None.
Contractor—P. F. Reed, 2545 28th St., Sacramento.
COST, \$1000

ADDITION
NO. 1515 FORTY-EIGHTH AVE. Sacramento. Add 2 rooms and bath to dwelling.
Owner—W. B. Pgwel, Premises.
Architect—None.
Day's work..... COST, \$1000

COMPLETION NOTICES.

Sacramento County.

Recorded Accepted
Oct. 11, 1919—NW THIRTEENTH & "L" Sts., Sacramento. Associated Oil Co to whom it may concern..... Oct. 1, 1919

BUILDING CONTRACTS.

Fresno County.

DWELLING
INGERSOLL TRACT LOTS 10, 11, 12, Fresno. Frame dwelling and garage.
Owner—Henry Derner, 445 "D" St., Fresno.
Architect—None.
Contractor—C. V. Smith, Fresno.
COST, \$6800

DWELLINGS

LOTS 1 AND 2 BLK 6 and Lot 9 Blk 22, Hazelwood, Fresno. Two frame dwellings and garages.

Owner—Ewing-McDaniel & Meux, Inc., 1929 Fresno St., Fresno.

Architect—None.

Contractor—Reese & Atkins, 3643 Platt St., Fresno.

COST, \$2750 and \$2500

DWELLING

LOT 1 NORTH VAN NESS TRACT, Fresno. Frame dwelling and garage

Owner—Mrs. Ziegler.

Architect—None.

Contractor—J. B. Hart, 3667 Grant St., Fresno.

COST, \$600

FRAME DWELLING

LOTS 5 & 6 BLK 6, Grand Ave. Park, Fresno. Frame dwelling.

Owner—W. M. James, 245 White's Bridge, Fresno.

Architect—None.

Day's work.

COST, \$2000

DWELLING

NO. 1447 "C" ST., Fresno. Dwelling.

Owner—Tony Sapone, 1431 "E" ST., Fresno.

Architect—None.

Day's work.

COST, \$2000

DWELLING

LOT 10 W 1/2 Lot 11 Blk 22, Belmont Addition, Fresno. Frame dwelling.

Owner—M. C. R. Nelsen, 1245 "I" ST., Fresno.

Architect—None.

Day's work.

COST, \$3000

STORE

LOTS 11, 12 AND 13 BLK 25, Belmont Addition, Fresno. Store building.

Owner—Dow & Cannon, Fresno.

Architect—None.

Contractor—D. C. Cannon, Fresno.

COST, \$2000

ALTERATIONS

LOTS 39 AND 40 North Park, Fresno. Alterations.

Owner—Mrs. Christopher.

Architect—None.

Contractor—Shorb & Neads, 127 Fresno Ave., Fresno.

COST, \$4500

COMPLETION NOTICE.

Fresno County.

Recorded Oct. 11, 1919—NW CORNER SEC. 8, 21-15 (Oil Well No. 9-A), Fresno. Associated Oil Co to whom it may concern.....Oct. 10, 1919

BUILDING CONTRACTS.

San Joaquin County.

RESIDENCE

FLORA AND YOSEMITE STS., Stockton. Frame residence.

Owner—D. W. Reynolds, Stockton.

Architect—None.

Day's work.

COST, \$2000

RESIDENCE

W WASHINGTON AND COMMERCE STS., Stockton. Residence.

Owner—J. F. Vaughn, Stockton.

Architect—None.

Day's work.

COST, \$1000

RESIDENCE

E MARKET ST., bet. "D" and "E" STs., Stockton. Frame residence.

Owner, J. H. Look.

Architect—None.

Day's work.

COST, \$2000

ALTERATIONS

LANE'S ADDITION, Stockton. Remodel residence.

Owner—Ramsey-Emerson Co., Record Bldg., Stockton.

Architect—None.

Day's work.

COST, \$1000

GARAGE

NO. 120 E-FREMONT ST., Stockton. Brick garage.

Owner—W. H. Gregg, 119 E-Lindsay St., Stockton.

Architect—None.

Day's work.

COST, \$3000

FRAME DWELLING

W FLORA ST., bet. Yosemite & Stockton STs., Stockton. Frame dwelling.

Owner—A. Vaio, Stockton.

Architect—None.

Day's work.

COST, \$3500

RESIDENCE

YOSEMITE SUB-DIVISION, Stockton Residence.

Owner—Leta Westergard, Stockton.

Architect—None.

Day's work.

COST, \$1500

ALTERATIONS

W FLORA AND N VAN BUREN STS., Stockton. Remodel building.

Owner—G. F. McNoble, 403 W-Flora St., Stockton.

Architect—None.

Day's work.

COST, \$1000

Architects O'Brien Bros., 240 Montgomery street, are preparing plans for a three-story and basement frame apartment house to be erected at the southeast corner of O'Farrell and Octavia streets to cost about \$30,000. The building will contain about eighteen two-room apartments.

Architect Arthur S. Bugbee, Sharon Bldg., is preparing plans for a one-story and basement reinforced concrete garage to be erected in this city at a cost of \$50,000. Further particulars will be given when the plans are completed.

Architect Bugbee has awarded a contract to Adam Arras, 65 Hoff avenue, for a one-story reinforced concrete garage to be erected on Hoff avenue near Sixteenth street.

Architect Washington J. Miller, 417 Market street, is preparing plans for a two-story brick factory building to be erected in Emeryville for the American Rubber Company. The structure, when completed, will represent an expenditure of \$100,000.

Architect Bernard J. Joseph, New Call Bldg., is completing plans for a one-story reinforced concrete store building to be erected in Vallejo for Harry Handlery. Plans were originally made for a five-story apartment and store building, but at this time only the store portion will be erected. A foundation capable of carrying five additional stories will be constructed.

Architect Joseph has awarded a contract to S. J. Weeks of Vallejo for the carpentry and glass work for the one-story steel frame and hollow tile theatre building to be erected for the Bell Amusement Company in Vallejo. The contract price is \$18,250.

Cameron & Disston, Hearst Bldg., have been awarded the contract for the restoration of the Caswell coffee warehouse on Second street near Harrison. The structure, owned by Jos. E. Rier, was recently destroyed by fire. It will cost about \$20,000 to restore the building.

The California & Hawaiian Sugar Refining Company has awarded a contract to Lindgren Company, Monadnock Bldg., for the erection of a two-story steel and concrete warehouse to be erected at Crockett, Contra Costa County. Plans for the building were prepared by the Engineering Department of the sugar company.

ORIENTAL SUPPLY SYNDICATE
HANDLING LUDLOW-SAYLOR
PRODUCTS ON THIS COAST.

The Oriental Supply Syndicate, San Francisco, has just been granted the exclusive West Coast representation of the famous line of Ludlow-Saylor Wire Products. Heretofore, they have sold large quantities of Ludlow-Saylor Wire Cloth, but could only approach the rice and grain people. The new representation covers wire cloth, screens, and wire products for every industry.

The Syndicate plans to increase its present large stocks of cloth so that they may be ready at all times to furnish mines, sugar refineries, rice, grain, cement and salt mills, etc., with cloth and screen for immediate shipments. In the past it has been necessary to order these supplies from the East.

PORTION OF HUGE ROAD PROGRAM
AWARDED.

SEATTLE, Wash.—Warren Brothers Construction Co., Rialto Bldg., San Francisco, and Journal Bldg., Portland, Ore., submitted the only bid to the Pierce County Commissioners for paving 99 miles of roads under the recently voted \$2,500,000 bond issue. The bid was \$3,433,000 or more than \$923,000 above the estimate of the County Engineer.

After consideration the County Commissioners decided to award the company two sections of the work as follows:

One and three-quarters miles from Summer to the foot of Elhi hill, for \$47,032.82 and two miles in addition from Elhi hill for \$49,954.96. Both call for concrete construction and were below the engineer's estimate.

TO PURCHASE MATERIALS FOR
STREET IMPROVEMENT.

BENICIA, Solano Co., Cal.—The City Trustees have authorized the mayor of the city to purchase the necessary rock and screenings to repair the streets in the vicinity of the Dominican Church.

JOS. MICHEL

W. A. PFEFFER

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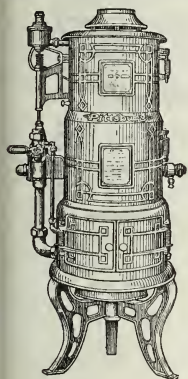
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Chapter Meeting Night, First Thursday Every Month at 7:30 P. M.

Commercial Club, Merchants Exchange Bldg.

Committee Meeting Every Friday, 7:30 P. M. at Chapter Office.

A. G. Mott, Secretary

San Francisco Chapter Office, 700 Marston Bldg.

244 Kearny St., S. F.

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Sacramento - - -	California

LOS ANGELES CHAPTER

Harris, A. L.....	Secretary
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Los Angeles - - -	California

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devoted to the Engineering, Architectural, Building and Industrial Activities of the Pacific Coast.

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J. P. FARRELL.....Exchange Editor

American Association of Engineers

NEWS FROM NATIONAL HEADQUARTERS.

A new schedule of salaries for engineer employees of the United States Railroad Administration has been adopted in the Eastern and Allegheny Regions. In the Allegheny Region adjustments have been made in all positions paying less than five thousand dollars per annum and are effective September 1. The results from the Pennsylvania lines west of Pittsburgh are particularly satisfactory to the engineers as a result of the efforts made by the Pennsylvania Railroad Section, the first section organized by the American Association of Engineers.

The adjustments were made only after a searching investigation followed in the presentation by A. A. E. of the data to the regional director which showed the inadequacy of the salaries of engineer employees. Conditions were especially unsatisfactory on the Pennsylvania Lines West. One engineer, for instance, who was a college graduate of seven years' experience, was engineer in charge of a total of ten million dollars worth of construction, for which he received \$135.00 per month.

In the Eastern Region the adjustments are fairly satisfactory; at least to the New York Central and on the P. C. but it has not been ascertained whether or not they are sufficiently complete on the other roads in that region. It is possible that the American Association of Engineers will issue a questionnaire to engineers in this region to determine what further adjustments are required to bring salaries to the level established by the railroad conference in Chicago last March. The American Association of Engineers has obtained results on four regions of the United States Railroad Administration. The Northwestern Region was one of the first to authorize a new schedule, and it was followed by the Central Western Region, and the Eastern and the Allegheny Regions. Regional Director Bush of the Southern Region advises that he will have a representative confer with a representative of the Northwestern Region and that he will bring engineer employees in his region to the level established in the Northwestern.

The Board of Directors of the American Association of Engineers in its earlier meeting on October 11 adopted a resolution, announcing a militant attitude of the Association toward licensing and registration of en-

gineers. Every effort will be made to have a license bill enacted in every state in which there is none at present. Chapters were directed to appoint license committees, each of which is to co-operate with the National License Committee in drafting the national bill for adoption in all states. Action will be taken also to insure enforcement of existing license laws. The resolution states that "it shall be the duty of chapter committees to see that the law is enforced, both in letter and in spirit, and that such amendments are made to the law from time to time as experience renders advisable in order that the profession may be kept in a high plane."

That the employment service of the American Association of Engineers is beginning to occupy a strong position in the engineering profession is made evident by the fact that within the last month inquiries have been received for two eight thousand dollar man and one twelve thousand dollar man. There is a great surplus of positions vacant for draftsmen and junior engineers, paying \$200 a month and less. The Board of Directors of the Association at its meeting on October 11 adopted a resolution favoring the development of the Service Department until it is the most efficient employment service for engineers in the United States.

As an outgrowth of the resolution adopted at the last convention of the American Association of Engineers that a committee on publicity should be appointed to promote the non-technical interests of engineers in public service, the Board of Directors of the American Association of Engineers recently authorized the organization of a Federal Department of A. A. E.

This department will be composed of all engineers who are employed by the Federal Government and will have its headquarters in Washington. The engineers in the different departments and bureaus of the Government will be organized into sections which will be a part of the Federal Department. Sections will be organized into local branches. There will be, for instance, the San Francisco Branch of the Navy Section of the Federal Department of the American Association of Engineers. Branches and sections will be subordinate to chapters having jurisdiction over the territories in which they are located.

The Federal Department will be financed in the same manner as the

railroad campaign was financed at the beginning; the engineers to be benefited by the department will be asked to subscribe from one to five dollars each to an organization fund, which will provide for the initial outlay and the expansion of the district office in Washington.

The railroad sections which have been organized by the American Association of Engineers during the last six months have justified their existence so well, and have performed in some cases such excellent service in assisting in the prosecution of the campaign for adequate salaries in the railroad field, that the Board of Directors of the Association has authorized the extension of the plan to other industries, so that sections may be formed wherever there is a special group who desires such an organization.

In each industry, each railroad, each branch of manufacturing, and wherever there is a group of engineers with common aims and work, there may be organized a section of A. A. E. Sections will be subordinate to the chapters which have jurisdiction in their respective sections of the country.

By a referendum vote of the membership of the American Association of Engineers, completed on October 15th, the entrance fee of the Association for 1920 was changed from \$6.00 to \$10.00. The change will be made on December 31.

The vote on the Plumb Plan by the membership of the American Association of Engineers, to which there was referred recently a copy of the Sims Bill (which provides for the adoption of the plum Plan) with a request that it be read and an opinion arrived at irrespective of anything which had been read in other publications, indicated that the membership of the Association is opposed to the Plum Plan by a sentiment of four to one.

Colonel Clarence S. Coe, member A. A. E., sailed from New York on October 16 to represent the head of the Advisory Mission to Serbia. Colonel Coe will have charge of the general rehabilitation of the railroads of Serbia and Jugia-Slavia. He is accompanied by his wife and son, and by Mr. J. H. Nelson, former general superintendent of the Florida East Coast Railway, and Captain McMillan, formerly of the Transportation Corps of the U. S. Army. Mr. Nelson and Captain McMillan will

be operating and mechanical advisors to Colonel Coe.

Colonel Coe graduated from the University of Minnesota in 1882 and since that time has been engaged in railroad maintenance and construction. In 1905 he became associated with the Florida East Coast Railway as division engineer. In this capacity and as engineer of maintenance of way he had charge of much of the bridge and submarine construction of that railroad, and of its general maintenance after its construction. Colonel Coe was appointed captain in the 17th Engineers, which was organized in Atlanta in 1917, and served in France for more than a year and a half as assistant to the section engineer of Base No. 1, St. Nazaire. Colonel Coe obtained the rank of full colonel in March, 1919, and was awarded the Cross of the Legion of Honor for meritorious service shortly afterwards.

Mr. Ray Dunlap, until recently assistant secretary at National Headquarters of the American Association of Engineers, has been appointed western secretary of A. A. E., and has left for the Pacific Northwest, where he will engage in development work for the Association before proceeding to California to assist in organization work in that state.

Mr. Dunlap, after pursuing an engineering course in the University of Missouri, was engaged in railroad engineering with the Great Northern Railway in valuation of structures for the Interstate Commerce Commission, and during the war was as assistant engineer on the construction of the army base at Norfolk, Virginia.

The Board of Directors of the American Association of Engineers has approved petitions of clubs of A. A. E. at Newport, Rhode Island; New Castle, Pennsylvania; and chapters at Globe, Miami, Arizona, and Terre Haute, Indiana. Chapter petitions which have not yet been acted upon have been received from Tulsa, Oklahoma, and Butte, Montana. Chapters were recently established at Columbus, Ohio; Ohio State University; Oil City, Pennsylvania; Buffalo, New York, and Bellaire, Ohio.

REGISTRATION OF OREGON PROFESSIONAL ENGINEERS.

The State Board of Engineering Examiners of Oregon is now fully organized and prepared to receive applications for registration of the professional engineers in Oregon, and others who expect to practice engineering in Oregon. The personnel and officers of the board are as follows:

F. S. Baillie, Baker, Oregon, mining engineer; R. R. Bartlett, Astoria, Oregon, civil engineer; C. A. Covell, Corvallis, Oregon, mechanical engineer; W. B. Dennis, Carlton, Oregon, mining engineer; F. Hesse, Portland, Oregon, mechanical engineer; E. G. Hopson, Portland, Oregon, hydraulic engineer; O. Laurgaard, Portland, Oregon, civil engineer; J. H. Lewis, Vale, Oregon, hydraulic engineer; F. D. Weber, Portland, Oregon, electrical engineer.

The board has held several meetings to date and has worked out and adopted complete by-laws, rules and regulations for the government of the action

of the members of the board and methods for holding examinations.

The following officers have been elected to serve for the next biennium ending July 1st, 1921:

O. Laurgaard, city engineer of Portland, President.

F. D. Weber, electrical engineer for the Oregon Insurance and Rating Bureau, Vice-President.

A. B. Carter, civil and mining engineer, Secretary.

Headquarters for the board have been established at 529 Corbett Building, Portland, where the necessary application blanks for registration without examination, and copies of the law and all other information may be received at request.

The business of the board will be transacted to a large extent by committees which have been appointed as follows:

Executive Committee: O. Laurgaard, E. G. Hopson, C. A. Covell.

Finance Committee: F. D. Weber, chairman; W. B. Dennis, R. R. Bartlett.

By-Laws and Rules Committee: F. Hesse, chairman; F. S. Baillie, John H. Lewis.

Under the provisions of this law, it will be necessary for all civil, mechanical, electrical, mining, chemical and all branches of professional engineering to register.

Applications may now also be made for examination by those engineers who have not the required six years of actual practical experience.

It is very important that all engineers who expect to register without examination file their application blanks as soon as possible in order that the board may have sufficient time to pass intelligently on their qualifications.

The professional engineers who expect to practice after January 1st, 1920, according to the law must be registered, so it is very important that the applications of not only those who expect to be registered without examination should be in before January 1st, 1920.

ORDINANCE TO FIX ENGINEERS' SALARIES.

J. Q. Brown, Commissioner of Public Works, has announced that he will ask the City Commission to appoint and fix by ordinance the salaries of the members of its staff which will have supervision of the installation of Sacramento's filtration plant.

The wave of criticism to which his department has been subjected charging negligence of duty and unnecessary delay in the construction of the water works will have no effect on the action of either himself or his staff, Brown said.

In the capacity of chief engineer, Brown will ask that Charles G. Hyde receive a recompense of \$50 per day and traveling expenses.

The proposed salaries for other members of the engineering force are those approved by Hyde before the commission and are as follows: C. P. Gillespie, resident engineer, \$6500; H. B. Roster, hydraulic engineer, \$5000; George J. Calder, structural engineer, \$5,000, and a mechanical engineer, yet to be appointed, \$5,000.

Supervisor Welch Seeks Re-election.

Assisted in Fight for Mechanic's Lien Law and For Flooring of Buildings Under Construction.

Richard J. Welch is again a candidate for Supervisor and is confident of the support of all Builders and Contractors.

Welch represented the City in the State Senate for twelve years and to him credit is due for the present Mechanic's Lien Law. It will be recalled that new and necessary Legislature on this most important subject was about despaired of, when Senator Welch came into the breach and put the present law over.



As State Senator he was author of the Act providing for temporary floors in buildings under course of construction. This humane act has been the means of saving many lives and limbs of mechanics and laborers and has saved for contractors and builders untold thousands of dollars in damage suits.

As a Supervisor his first act was to create a Supervisors' Committee on Commercial, and Industrial Development which has fostered and protected our local industries. He led the successful campaign for the Skyline Boulevard which resulted in a State Bond issue for \$40,000,000 for good roads. Supervisor Welch is now leading the fight for the Naval Base at Hunter's Point, which will mean the expenditure of more than \$30,000,000 in construction and the permanent employment of over eight thousand men.

GOETHALS GETS NEW JOB.

NEW YORK.—General George W. Goethals, builder of the Panama canal, has been elected president of the American Ship and Commerce Corporation, recently organized for the promotion of foreign trade under the American flag.

The corporation has acquired a majority interest in the William Cramp Ship and Engine Building Company of Philadelphia and the Kerr Navigation Corporation of this city.

Kermil Roosevelt, son of the former President, is secretary of the corporation.

ADVANCE NEWS

Official Proposals, Etc.

BUILDING.

APARTMENT HOUSES

Plans Being Prepared.
ADDITION Cost, \$—
BERKELEY, Cal. No. 2541 Fulton St.
 Two-story addition in rear to present
 two-story frame apartment house
 for (6 2-room apts).
 Owner—Withheld.
 Architect—Jas. W. Plachek, 2014 Shat-
 tuck Ave., Berkeley.

Plans Being Prepared. To be Done by
 Day's Work.
APARTMENTS, ETC. Cost, \$20,000
SEATTLE, Wash. California Avenue.
 One-story concrete and terra cotta (5)
 stores and (5) apartments.
 Owner—W. T. Campbell, Seattle, Wash.
 Architect—V. W. Voorhies, Eitel Bldg.,
 Seattle, Wash.

Plans Being Prepared.
APARTMENTS Cost, \$300,000 or more
SAN FRANCISCO. NW Hyde and Fil-
 bert, 137-6x137-6.
 Six to eight-story Class "A" reinforced
 concrete community apartment
 house (10 apts of 8 rooms each).
 Owner—W. B. Gray.
 Architect—T. Patterson Ross, 310 Cali-
 fornia St., San Francisco.

Plans Prepared. Sub-Figures to be
 Taken in About a Week.
APARTMENTS Cost, \$40,000
SAN FRANCISCO. W Mason 107 N
 Bush.
 Five-story concrete (24) apartments.
 Owner—V. Fassio, 407 New Call Bldg.,
 San Francisco.
 Architect—None.

Preliminary Sketches Prepared.
APARTMENTS Cost, \$200,000 or more
SAN FRANCISCO. Steiner Street and
 Pacific Avenue.
 Eight-story Class "A" apartment house
 Owner—Kittle Estate.
 Architect—Benj. G. McDougall, Sheldon
 Bldg., San Francisco.
 The financing of this building has
 just been started and only a prelimi-
 nary sketch has been made, therefore
 it will be sometime before construction
 is started.

Low Bidder For General Contract.
ADDITION Cost, \$—
SAN FRANCISCO. NW Ellis & Jones
 Streets.

One-story brick addition to five-story
 brick apartments.
 Owner—Dr. L. C. Mendell, 415 Jones
 St., San Francisco.
 Architect—Miss Grace Jewett, Room
 814, 57 Post St., San Francisco.

A Knowles, Call Bldg., submitted the
 lowest bid on the general contract.
 Contracts will be awarded in a few
 days.

BANKS

Plans Being Prepared.
ALTERATIONS Cost, \$—
WATSONVILLE, Santa Cruz Co., Cal.
 General alterations for banking quar-
 ters.
 Owner—Pajaro Valley National Bank,
 W. R. Porter, President and C. A.
 Palatag, Cashier.
 Architects—M. G. West Co., Nevada
 Bank Bldg., San Francisco.

Contract Awarded on a Percentage
 Basis.
ALTERATIONS Cost, \$—
BURLINGAME, San Mateo Co., Cal.
 Extensive alterations to interior of
 bank.
 Owner—Bank of Burlingame.
 Architect—M. G. West Co., 365 Market
 Street, San Francisco.
 Contractors—Lange & Bergstrom,
 Sharon Bldg., San Francisco.

Plans Being Prepared.
ALTERATIONS Cost, \$—
REDDING, Shasta Co., Cal. Market &
 Yuba Streets.
 Extensive alterations and additions for
 banking quarters (taking in ad-
 joining building.)
 Owner—The Northern California Na-
 tional Bank of Redding. N. B.
 Frisbie, President and E. C. Fris-
 bie, Cashier.
 Architects—M. G. West & Co., Nevada
 Bank Bldg., San Francisco.

DALY CITY, San Mateo Co., Cal.—
 The Peninsula Bank of Burlingame has
 applied to the State Banking Com-
 mission asking permission to establish
 a branch in Daly City. If the appli-
 cation is granted a modern bank build-
 ing will be erected on a site yet to be
 selected. Wm. Duffy is President and
 Fred Parfitt, Cashier of the bank.

BONDS.

SCHOOL BONDS.

UKIAH, Mendocino Co., Cal.—The
 County Supervisors have sold the \$20-
 000 bond issue of the Potter Valley
 School District. Proceeds of the sale
 will finance construction of a new
 school building, plans for which have
 been prepared by Architect Norman R.
 Coulter, 46 Kearny St., San Francisco.

OAKLAND, Cal.—Bonds of \$4,975,000
 have been voted by the City of Oakland
 School District to erect new schools
 and improve the present structures.
 The report that the issue would be
 declared invalid owing to the elimina-
 tion of serial numbers on the ballot
 has been dropped as it was found un-
 necessary to have the ballots number-
 ed.

SAN DIEGO, Cal.—An election will
 be held November 25 to vote on issuing
 \$200,000 bonds for improvements to the
 water system.

SACRAMENTO, Cal.—Bonds of \$3-
 064,000 have been voted for school im-
 provements; \$2,304,000 for fourteen
 elementary school buildings, and \$760-
 000 for a new polytechnic high school
 and a secondary high school on Oak
 Park.

KINGSBURG, Fresno Co., Cal.—The
 Trustees of the Kingsburg Grammar
 School District have set November 15th
 as the date for the election to vote
 bonds of \$75,000 to erect a modern
 grammar school.

CHICO, Butte Co., Cal.—The bond
 election to vote \$450,000 with which to
 finance construction of a new high
 school building carried.

Plans for the building are being
 completed by Architects Woollett &
 Lamb, Physicians Bldg., Sacramento.
 The structure will contain forty rooms
 and a number of out buildings.

TNRLOCK, Stanislaus Co., Cal.—
 Bonds of \$89,000 were voted at a re-
 cent election to finance construction of
 an eight-room addition to each of the
 grammar schools in this city.

KLAMATH FALLS, Ore.—Bonds of
 \$900,000 were voted at a recent elec-
 tion in the Lange Valley Irrigation
 District to finance the construction of
 an irrigation system, covering 28,000
 acres.

PARADISE, Butte Co., Cal.—The
 Board of Directors of the Paradise Ir-
 rigation District has decided to call an
 election to vote bonds of \$140,000 with
 which to finance construction of a 36-
 inch pipe from the reservoir to the
 present intake pipes.

LIVERMORE, Alameda Co., Cal.—
 November 4th is the date set by the
 City Trustees to decide the question of
 issuing and selling bonds of \$10,000
 with which to purchase a motor fire
 engine and the installation of a fire
 alarm system, also for equipping a
 Ford car with a chemical outfit.

ALAMEDA, Alameda Co., Cal.—The
 City Council is considering the ac-
 quisition of its own water plant, ac-
 cording to plans outlined at the last
 session.

The matter of purchasing the pres-
 ent system of the East Bay Water
 Company in Alameda, or the construc-
 tion of a complete new system is be-
 ing considered. C. E. Hewes is City
 Manager and is backing the proposed
 scheme.

HANFORD, Kings Co., Cal.—The
 Trustees of the Hanford Union High
 School District have set November 12th
 as the date to decide the question of
 issuing and selling bonds of \$350,000
 for the erection of new high school
 buildings.

NOTE:—This issue must not be con-
 fused with the Hanford Grammar

School bond issue, which will be held on November 4th.

SANTA ROSA, Sonoma Co., Cal.—A bond election to erect a number of new schools in this city is planned. It is also planned to form a new high school district and erect a new high school.

SACRAMENTO, Cal.—City Commissioner John Q. Brown is urging an election to vote bonds of \$600,000 with which to erect a municipal auditorium. A site for the building has already been purchased.

ELY, White Pine Co., Nevada.—The City Council is planning a bond issue providing funds for the construction of the Murray street storm sewer; the Mill Valley street sewer; paving of Aultman street, and the taking over of the Chairman millsite as a camping ground and city park. City Engineer Millard estimates the Murray street sewer to cost \$24,437 for a four-foot storm sewer of corrugated iron pipe and for concrete pipe of the same size, \$21,461. The paving of Aultman street is estimated at \$24,367.

LINCOLN, Placer Co., Cal.—The City Trustees are contemplating the calling of an election to vote bonds with which to secure funds providing for the erection of a community hall. The amount of the issue has not yet been set.

CHURCHES

Plans Prepared.
CHURCH Cost, \$150,000
BERKELEY, Cal. NE Durant & Telegraph Avenue.
One and 4-story reinforced concrete Educational Church.
Owner—Epworth Methodist Church South (Bishop H. M. Du Bois, Berkeley).
Engineer—T. Ronneberg, Crocker Bldg. San Francisco.
Construction will not be started until the Spring.

Plans Being Figured.
CHURCH Cost, \$25,000
PORTLAND, Ore. E-15th and Nehalem Avenue.
One-story brick or tile church.
Owner—St. Agatha Catholic Church.
Architect—Ernest Kroner, Worcester Bldg., Portland.
J. S. C. Ward, 1690 E-16th St., South Portland, has the foundation contract.

Sketches Prepared.
CHURCH Cost, \$14,000
LOOMIS, Placer Co., Cal.
Church Building.
Owner—Loomis Congregational Church
The Finance Committee in charge is composed of S. C. Day, W. P. Fassett, Dr. Seth Law, Al Taylor, J. A. Eckles and F. E. Small.
The following have charge of the church plans: Rev. W. Youngman. E. E. Nelthorpe, J. Ferguson.
Architect—Not Given.

Completing Plans. Ready for Figures Next Week.
GENTRY CRANE Cost, \$—
EUREKA, Humboldt Co., Cal.
Gantry crane, 210 foot arm (specially designed for truck and cantilever).

Owner—Hammond Lumber Co.
Engineer—H. J. Brunnier, Sharon Bldg., San Francisco.

Contract Awarded.
CHURCH, ETC. Cost, \$50,000
HEMET, Riverside Co., Cal.
Reinforced concrete church (27 class rooms also a gymnasium building)
Owner—Hemet Methodist Episcopal Church.
Architect—H. M. Patterson, 325 O. T. Johnson Bldg., Los Angeles.
Contractor—C. M. Thornton, Hemet.

COURTHOUSES

MARTINEZ, Contra Costa Co., Cal.—The County Supervisors have awarded a contract to Bordon & Kirkhouse, of Richmond, for painting the metal and wood work on the county courthouse building, the contract price being \$2,125. J. H. Wells is County Clerk.

Factories and Warehouses.

Contract Awarded. Sub-bids Being Taken by Contractors.
ALTERATIONS Cost, \$40,000
SEATTLE, Wash. Occidental Avenue.
General alterations and repairs for four-story brick drug building.
Owner—Stewart & Holmes Drug Co., 419 Occidental Ave., Seattle.
Architect—David Meyers, Lippy Bldg., Seattle.
Contractor—Western Construction Co., Seaboard Bldg., Seattle, Wash.
Contract Awarded.
FACTORY Cost, \$100,000
SACRAMENTO, Cal. Second Street, 'bet. "H" and "I" Streets.
Two-story and basement brick and heavy mill construction factory, 100x170.
Owner—Capitol Candy & Cracker Co., Sacramento.
Architect—Jens C. Petersen, Peoples Savings Bank Bldg., Sacramento.
Contractor—Mathews Construction Co., Forum Bldg., Sacramento.

Plans Being Prepared. To be Done by Days Work.
FACTORY Cost, \$17,500
SAN FRANCISCO, W. Seventh Street 'bet. Natoma and Minna.
One-story and basement brick factory, 50x70.
Owner—O. H. Curtaz, 517 Hayes St., San Francisco.
Lessee—L. Simon, Mfg. of Aprons, Etc.
Architects—D. C. Coleman and Wm. Helbing, 25 Montgomery St., San Francisco.
Manager of Construction—Wm. Helbing, 517 Hayes St., San Francisco.
The glass will be let to W. P. Fuller & Co., and mill work to The Builders' Supply Co.

Completing Plans. Work to be Done by Owner.
BOILER ROOM, ETC. Cost, \$—
EUREKA, Humboldt Co., Cal.
Concrete and steel frame boiler room and fuel house building, 72x208.
Owner—Hammond Lumber Co.
Engineer—H. J. Brunnier, Sharon Bldg., San Francisco.

Contract Awarded.
OIL PLANT Cost, \$120,000
LINTON, Oregon.
Frame and concrete buildings for plant.
Owner—Associated Oil Co. A. D. Park Manager of Linton Branch.
Architect—Engineering Dept. of Associated Oil Company.

Contractor—The Dinwiddle Constr. Co. Yeon Bldg., Portland, Ore. a Crocker Bldg., San Francisco.

The buildings to be built include four cottages and a bunkhouse to have ten rooms, both of which will be frame construction; one-story concrete garage with 14 stalls to be 32x180 feet dimensions, and a warehouse to concrete, 40x70 feet in dimension. There will also be constructed a steel roof loading rack, concrete and steel building for gaging tanks; concrete retaining wall and a number of iron stairways.

A sewer system and septic tank will be constructed and a wood fence will surround the plant.

MODESTO, Stanislaus Co., Cal.—The Pratt-Lowe Canning Co., 9th and "C" Sts., Modesto, is planning extensive improvements to its present plant. Modesto. Work will be started shortly on a new concrete warehouse, 130x100 feet on the SE corner of the property while to the north will be built or addition, 60x200 feet and another 90x180 feet.

The improvements are estimated to cost \$100,000, according to Evers Crane, Manager of the Modesto branch.

Plans Being Prepared.
WAREHOUSE Cost, \$—
BERKELEY, Cal. NE Ward and Shattuck Avenue.
Four-story and mezzanine floor reinforced concrete warehouse, 80x120 (flat slab type).
Owner—Students Express Co.
Architect—Jas. W. Plachek, 2014 Shattuck Ave., Berkeley.

FIRE HOUSES AND JAILS

Plans to be Completed in About Six Weeks.
COUNTY JAIL Cost, \$35,000
VALLEJO, Solano Co., Cal.
Two-story brick and reinforced concrete branch county jail and offices for County Officials, 34x70.
Owner—County of Solano.
Architect—Chas. E. Perry Jr., 1201 Sutter St., Vallejo.

In addition to the above building Architect Perry has been commissioned by the City of Vallejo to prepare plans for a second unit to the county building, which will be used as a city hall. The building will be of the Classic style of architecture, with brick facing and terra cotta.

Plans to be Prepared.
FIREHOUSE Cost, \$12,000
OAKLAND, Alameda Co., Cal. 22nd Ave. and E-15th Street.
One-story frame firehouse.
Owner—City of Oakland.
Architect—Public Works Architectural Dept., City Hall, Oakland.
Plans will be figured in about 60 days.

WASHINGTON, D. C.—B. R. Buell & Co., 911 Western avenue, Seattle, Washington, has obtained plans and specifications from the office of the Supervising Architect for the labor in connection with erection of the U. S. Marine Hospital at the Presidio, San Francisco, bids for which will be opened on November 10th.

WASHINGTON, D. C.—Plans have been completed in the Bureau of yards and Docks, Navy Department, Washington, D. C., for a radial brick chimney at the Mare Island Navy Yard under Specification No. 4062. The chimney will cost in the neighborhood of \$12,000.

Firms desiring to bid for construction may obtain plans from the Bureau on deposit of \$10. After securing the plans information as to bidding, time for opening bids, etc., will be sent by the Bureau to each bidder of the plans.

MARE ISLAND, Cal.—The following bids were received at Mare Island, October 22, for the installation of a turbo-alternator and air compressor, their condensers and auxiliary pumps, boiler feed pump, feed-water heater, oil pumps and heater, and induced draft fan, piping and the furnishing of certain electrical equipment and appurtenances, in the power plant at the Naval Station, Pearl Harbor, T. H. Drawings and specification No. 3856:

C. C. Moore, San Francisco (1) \$125,000; 130 days; (2) \$1,890, 230 days.

Turner Co., San Francisco (1) \$96,500 200 days; (2) \$1,000, 200 days.

Bids were also received at Washington, D. C., and Pearl Harbor, T. H. which will be reported later.

MARE ISLAND, Cal.—The following bids were received at Mare Island, October 22nd, for the construction of Torpedo Storehouse and Compressor and Separation Building, Mare Island, Calif., Specification No. 3991:

K. E. Parker, San Francisco (1) \$51,185, 150 days; (2) \$7,450.

McLeran & Peterson, San Francisco. (1) \$56,535, 180 days; (2) \$64,535, 110 days.

Alfred H. Vogt, San Francisco (1) \$57,863, 100 days; (2) \$7,670, 30 days.

Lange & Bergstrom, San Francisco, (1) \$54,489, 150 days; (2) \$8,390.

Clinton Constr. Co., S. Francisco (1) \$60,119, 209 days; (2) \$9,750, 25 days.

Bids were also opened at Washington which will be reported later.

SACRAMENTO, Cal.—Harry S. Maddox, General Secretary of the Chamber of Commerce, has been advised by Captain T. S. Voss that large fire-proof warehouses will be erected on the Mather Aviation Field near this city. Voss was notified of the proposed work through the War Department.

According to Voss the warehouses will cover approximately five acres of ground and will be of steel and concrete construction. Supplies worth several million dollars will be carried, including reserve airplanes, parts and other equipment.

HALL AND SOCIETY BUILDINGS.

Commissioned to Prepare Plans.
HOME Cost, Between \$75,000 and \$100,000.
FOREST GROVE, Oregon.
First unit of Masonic Home (Cottage

of a county storehouse and machine shop to be erected on the south side of the Court House Grounds at Ely.

Plans Being Figured.

GARAGE Cost, \$2,000
OAKLAND, Near Lake Merritt.
Two-story frame private garage with sunroom.
Owner—Withheld.
Architect—Chas. W. McCall, Central Bank Bldg., Oakland.

GOVERNMENT WORK AND SUPPLIES

The following bids were received at the paints branch, raw materials division, Munitions Building, Washington, D. C., October 10, circular 3642, for furnishing 700 gals. raw linseed oil:
Yates & Co., San Francisco, Calif., \$2.29 per gallon, 15 days.

W. P. Pullre & Co., San Francisco, Calif., \$2.17, delivery 5 days; alternate, \$2.03, 60 days, 2 per cent discount.

Magner Bros., 414 9th St., San Francisco, Calif., \$1.89, 1 per cent, delivery 15 days.

National Paint and Oil Co., San Francisco, Calif., \$2.05, 3 days.

The Glidden Company of California, San Francisco, \$2.31, 2 days.

WASHINGTON, D. C.—The Builders Iron Works, P. O. Box 95, Stockton, Calif., has been awarded a contract at \$899.50 for furnishing and installing new wrought-iron fence at the U. S. Post Office Building, Stockton, Calif. The work is to be completed in 50 days.

WASHINGTON, D. C.—The Bureau of Yards and Docks, Navy Department, Washington, D. C., has awarded a contract to Gerrick & Cerriek Co., 403 Central Bldg., Seattle, at \$38,375 for the construction of extensions to Building No. 178 at the Puget Sound Navy Yard, time to complete work, 60 days. The work is provided for under Specification No. 4009.

WASHINGTON, D. C.—Following bids were received by the Bureau of Yards and Docks, Navy Department, Washington, D. C., for the installation of a turbo-alternator and air compressor, their condensers and auxiliary pumps, boiler feed pump, feed-water heater, oil pumps and heater, and induced draft fan, piping and the furnishing of certain electrical equipment and appurtenances, in the power plant at the Naval Station, Pearl Harbor, T. H. Drawings and specification No. 3856:

John W. Danforth (1) \$105,216; (2) \$1,500.

Adams, Britz & Co., Inc., 1759 Park St., New York City (1) \$84,321; (2) \$321.

Stewart Engineering Corp. (1) \$117,471; (2) \$2,000 (deduct).

FRESNO, Cal.—United States postal authorities visiting Fresno have agreed with the Directors of the Fresno County Chamber of Commerce regarding the proposed site for the new Federal building for Fresno, contingent upon the passage of the bill introduced by Congressman H. E. Barbour for the appropriation. It was agreed that the new building should be near Court-house Park and form a part of the proposed Civic Center in Fresno.

GARAGES

Contract Awarded.
GARAGE Cost, \$35,000
PORTLAND, Ore. 12th and Adler Sts. Two-story brick garage, 100x100.
Owner—Portland Lodge of B. P. O. E. Architects—Houghtaling & Dougan, Henry Bldg., Portland, Ore.
General Contractor—Trenchall & Parelius, Builders' Exchange, Portland.
Plumbing awarded to F. S. Fleming.
Heating to C. J. Kelley.

Plans Being Figured.
GARAGE Cost, \$35,000
PORTLAND, Ore. Sixteenth and Gilman Streets.
Two-story and basement reinforced concrete garage, 100x100.
Owner—Monte Mayer.
Architect—Emil Schacht, Commonwealth Bldg., Portland.

Plans to be Prepared.
ADDITION Cost, \$10,000
MODESTO, Stanislaus Co., Cal. Nos. 1122-1128 Tenth Street.
One-story concrete and steel addition for garage, 75x100.
Owner—C. C. Parks, 1122 Tenth St., Modesto.
Architect—Not Given.

To be Done by Days Work.
REPAIR SHOP Cost, \$—
SAN FRANCISCO. SW Franklin and Golden Gate Avenue.
One-story and basement reinforced concrete auto repair shop, 87½x120.
Owner—O. H. Curtaz, 517 Hayes St., San Francisco.
Architect—D. C. Coleman, 20 Montgomery St., San Francisco.
Mgr. of Constr.—Wm. Helbing, 517 Hayes St., San Francisco.

To be Done by Days Work.
REPAIR SHOP, ETC. Cost, \$40,000
SAN FRANCISCO. N Golden Gate Ave. E of Gough Street.
Two-story reinforced concrete auto repair and machine shop, 87½x120.
Owner—O. H. Curtaz, 517 Hayes St., San Francisco.
Designer and Mgr. of Constr.—Wm. Helbing, 517 Hayes St., San Francisco.

Contract Awarded.
GARAGE Cost, \$3,342
SAN FRANCISCO. Central Fire Alarm Station.
One-story brick garage.
Owner—City and County of San Francisco.
Architect—Architectural Dept. Board of Public Works, 2nd Floor, City Hall.
Contractor—Alfred H. Vogt, 185 Stevenson St., San Francisco.

Contract Awarded.
GARAGE Cost, \$46,615
BAKERSFIELD, Kern Co., Cal. 25th and Chester Avenue.
Fireproof garage.
Owner—Geo. Elliott, 1916 19th St., Bakersfield.
Architect—Thomas Wiseman, Morgan Bldg., Bakersfield.
Contractor—Currie & Duglar, 1029 Nile St., Bakersfield.

CHINE SHOP BIDS WANTED.
ELY, White Pine Co., Nevada—Bids will be received by F. D. Oldfield, County Clerk, up to November 22nd, 3 P. M., for the erection and completion

Plan). Administration building and power house. All of fireproof construction.

Owner—Masonic Home.

Architect—W. C. Knighton, U. S. Bank Bldg., Portland, Ore.

Plans Being Prepared.

CLUB HOUSE Cost, \$50,000
PORTERVILLE, Tulare Co., Cal. Near Porterville.

Two-story club, house (Spanish style).

Owner—Elks Lodge.

Architect—M. P. Renfro, Porterville.

To be Done by Days Work and Sub-Contracts.

COUNTRY CLUB Cost, \$12,000

MILL VALLEY, Marin Co., Cal.

One-story frame country club (rustic exterior).

Owner—Mill Valley Country Club, George Lowell, Mgr., Care Great Western Power Co., 9 Main St., San Francisco, and 650 Lovell St., Mill Valley.

Architect—W. H. Ratchiff, 1st National Bank Bldg., Berkeley.

The following contracts have been awarded:

Grading to Mr. Clark of San Rafael.
Electric Wiring to Mr. Timlott of Mill Valley.

Plumbing to P. E. O'Hair, 857 Mission St., San Francisco.

HOTELS

Plans to be Prepared.

ALTERATIONS Cost, \$—

BYRON, Contra Costa Co., Cal. Byron

/ Hot Springs.

Extensive alterations and additions to resort.

Owner—John Tait.

Architects—Ward & Blohme, 454 California St., San Francisco.

Just what improvements will be made have not been decided. Mr. Ward is there now going over the property.

POWER PLANTS

CALEXICO, Imperial Co., Cal.—Holtan Power Co. will build a reinforced concrete substation at First and Heber streets, and other buildings. About \$32,000 will be expended on improvements.

CARSON CITY, Nevada.—An application has been filed with the State Engineer's office by P. A. Simon of the Simon Mines near Mina, for the right to use the East Walker River for electric power purposes for mine and milling. The proposed site for the power plant is located near Horseshoe bend, not far from Sweetwater, and a survey of the surrounding reservoir has been ordered.

It is planned to create approximately 6000 horsepower, the water to be impounded by the construction of concrete and rock dams costing \$600,000, which will taken about three years to build.

SAN FRANCISCO.—To enable the San Joaquin Light & Power Corporation to carry out its plans for construction of its new 45,000 horsepower hydro-electric generating plant on the San Joaquin River, in Fresno County, a project necessary to enable the company to meet demands upon it for

power, the Railroad Commission authorized the company to issue \$3,248,000 of its first and refunding mortgage bonds. The company estimates that its new power plant, together with the necessary transmission lines would cost \$4,990,000. Active construction work was started several months ago.

PUBLIC BUILDINGS

Sketches Prepared.

MEMORIAL HALL Cost, \$200,000

RICHMOND, Contra Costa Co., Cal.

Three-story fireproof memorial hall.

Owner—Legion of Honor, Richmond

Post No. 10, Richmond.

Architect—James T. Nabrett, 910 Macdonald Ave., Richmond.

Plans Being Figured.

ALTERATIONS Cost, \$5,000

OAKLAND. 14th, 15th and Washington Streets.

Alter City Hall (remove 2 stairways and light well and build 2 rooms on 5th floor and 1 on 4th floor).

Owner—City of Oakland.

Architect—Public Works Architectural Dept., City Hall, Oakland.

Plans will be figured in about 30 days. Other alterations will be made later.

Plans Being Prepared.

COMFORT STATION Cost, \$12,000

OAKLAND, Alameda Co., Cal. City

Hall Plaza.

Underground comfort Station.

Owner—City of Oakland.

Architect—Public Works Architectural Dept., City Hall, Oakland.

VENTURA, Ventura Co., Cal.—A combined city hall and public library building to cost \$75,000 is planned for Ventura by E. P. Foster, who has already given the city two parks. A two-story structure on a site fronting 200 feet on Main street is contemplated.

Plans Being Re-Figured.

ADDITION Cost, \$5,000

OAKLAND, Cal. Lake Merritt.

One-story frame addition to boat house.

Owner—City of Oakland. (Recreation Dept., City Hall.)

Architects—Reed & Corlett, Oakland Bank of Savings Bldg., Oakland.

New bids will be called for tomorrow, and will close November 7th.

RESIDENCES.

Owner Taking Sub-Figures. To be Done by Days Work.

ADDITION Cost, \$10,000

SAN FRANCISCO. No. 1021 California

St. near Mason.

Add two stories and pent house to two-story reinforced concrete residence.

Owner—Herbert E. Law. Monadnock Bldg., San Francisco.

Architect—Geo. A. Schastey.

Plans Being Figured. Bids Close Oct. 26, 1919. (Sunday).

RESIDENCE Cost, \$—

SACRAMENTO, Cal. Seventh and "T" Streets.

Two-story seven-room frame residence

Owner—Rev. D. Taverna.

Architect—F. A. S. Foale, Ochsner Bldg., Sacramento.

Work Started.

COTTAGES Cost, \$50,000

OLEUM, Contra Costa Co., Cal. Ad

Joining paint buildings.

Fifteen one-story frame cottages (4 to 6 rooms each).

Owner—Union Oil Co., A. G. Page

Supt. of Oileum Plant.

Architect—Engineering Department of Union Oil Co.

Contract Awarded.

RESIDENCE, ETC. Cost, \$20,000

RENO, Nevada.

Two-story brick residence and garage

Owner—Dr. G. C. Steinmiller.

Architect—F. M. Schadler, 445 South Virginia St., Reno, Nevada.

Contractor—Roush & Belz.

Plans Being Prepared.

BUNGALOWS Cost, \$7500 each

SAN FRANCISCO. Westwood and

Northwood Drives.

Three one-story and basement frame bungalows (6 rooms and basement

garages).

Owner—Withheld.

Architect—Miss Ida McCain, 318 Kearny St., San Francisco.

Plans Being Prepared. To be Done by

Day Work.

BUNGALOW Cost, \$7,500

SAN FRANCISCO. Westwood Drive,

Westwood Park.

One-story and basement frame bungalow 6 rooms and basement garage.

Owner—H. J. Hansen.

Architect—Miss Ida McCain, 318 Kearny St., San Francisco.

Plans Being Prepared.

BUNGALOW Cost, \$30,000

PORTLAND, Oregon.

One-story hollow tile (California Design) bungalow home.

Owner—United Artisans Home.

Architect—Edmund Bergholtz, Spalding Bldg., Portland, Ore.

Plans Being Completed. To be Done by

Day Work.

RESIDENCE Cost, \$20,000

TROUTDALE, Oregon.

Two-story and basement frame and plaster residence (10 rooms).

Owner—Russell Clark.

Architects—Lawrence & Holford, Chamber of Commerce Bldg., Portland.

Plans Being Figured.

BUNGALOW Cost, \$2,500

YUBA CITY, Sutter Co., Cal. Near

Yuba City.

One-story frame and plaster bungalow (4 rooms).

Owner—Walton Hexter Co., 326 "D" St., Marysville, Cal.

Architect—Chester Cole, Waterlund-Breslau Bldg., Chico.

SPECIFICATIONS

Exterior Finish, strucco; Plumbing, Crane Catalog.

Contract Awarded on a Percentage Basis.

DWELLINGS Cost, \$3300 each

OAKLAND, Alameda Co., Cal. Havens

Court, E-Oakland.

90 one-story 6-room frame dwellings.

Owner—Louis Stecklee.

Architect—A. H. Knoll, Hearst Bldg., San Francisco.

Contractor—Geo. W. Roston & Son,

Hearst Bldg., San Francisco.
There will be ten houses under construction at a time until the 90 are completed.

Revising Plans.
RESIDENCE Cost, \$9,000
SAN FRANCISCO. W 15th Avenue S of Geary Street.

Two-story frame and plaster residence (8 rooms, basement garage and sun porch).

Owner—A. Ezekiel.
Architect—R. S. Herschfeld. Care Bakewell & Brown, 251 Kearny St., San Francisco.

Plans Being Prepared.
ADDITION Cost, \$—
HILLSBOROUGH, San Mateo Co., Cal. Addition to large residence.
Owner—Withheld.
Architect—D. J. Patterson, 46 Kearny St., San Francisco.

Plans Being Prepared.
RESIDENCE Cost, \$20,000
HILLSBOROUGH, San Mateo Co., Cal. Brewer Tract.
Two-story frame residence and garage (10 rooms).
Owner—S. A. Born Bldg. Co.
Architect—D. J. Patterson, 46 Kearny St., San Francisco.

Plans Being Prepared. Ready for Figures in About Two Weeks.
RESIDENCE Cost, \$12,000
SAN FRANCISCO. Forest Hill.
Two-story and basement frame residence and garage (9 rooms and 3 bathrooms).
Owner—Withheld.
Architect—Walter Falch, Hearst Bldg., San Francisco.

Plans Being Prepared.
RESIDENCE, ETC. Cost, \$11,000
OAKLAND, Alameda Co., Cal. Kingston Avenue.
Two-story frame residence and garage (9 rooms and sleeping porch).
Owner—Withheld.
Architect—Chas. W. McCall, Central Bank Bldg., Oakland.

Contract Awarded.
RESIDENCE Cost, \$—
LOS ANGELES, Cal. Lorraine Blvd. near Wilshire Blvd.
Two-story frame residence (11 rooms and 3 bathrooms).
Owner—Jennie M. Hoggard.
Architect—E. B. Rust, 527 Black Bldg., Los Angeles.
Contractor—L. T. Mayo, 531 Black Bldg., Los Angeles.

Plans Being Prepared. To be Done by Days Work.
BUNGALOWS Cost, \$5,500 each
SAN FRANCISCO. Westwood Park.
Two one-story frame bungalows and garages (6 rooms each).
Owner—Hilding Anderson.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.

Plans Being Prepared. To be Done by Days Work.
RESIDENCES Cost, \$10,000 each
SAN FRANCISCO. Sea Cliff.
Four two-story frame residences (10 rooms each).
Owner—Allen Company.
Architect—Earl Bertz, Foxcroft Bldg., San Francisco.
Work will be started next week.

Plans Being Prepared. To be Done by Days Labor.
BUNGALOWS Cost, \$5,500 each
SAN FRANCISCO. Westwood Park.
Two one-story frame bungalows and garages.
Owner—Chas. Hall.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.

SCHOOLS

Plans Being Prepared.
SCHOOL Cost, \$—
BERKELEY, Cal. Prince, King, Ashby and Ellis Streets.
Brick and concrete school (Lincoln School).
Owner—City of Berkeley.
Architect—W. H. Ratcliff Jr., 1st National Bank Bldg., Berkeley.
Consulting Architect—W. C. Hays, 1st National Bk. Bldg., San Francisco.

Plans Being Prepared.
SCHOOL BLDG. Cost, \$750,000
BERKELEY, Cal. Grove, Milvia, Channing and Bancroft.
Group of High School Buildings (First unit. Two-story and basement reinforced concrete High School building (academic and administration) 28 class rooms).
Owner—City of Berkeley.
Architect—W. C. Hays, 1st National Bk Bldg., San Francisco.

Besides the academic building, which will cost \$400,000, there will be in the group a gymnasium, arts, auditorium, science, music and shop buildings. Plans will be ready for figures about the first of January.

Contract Awarded. Sub Bids Being Taken by Contractors.
PUBLISHING PLANT Cost, \$30,000
PORTLAND, Ore. Fifth and Main Sts.
Two-story brick publishing plant, 50 x 100.
Owner—Portland News Co.
Architect—John V. Bennes, Chamber of Commerce Bldg., Portland.
Contractor—Zanella Bros., Builders' Exchange, Portland.

Plans Being Prepared. Bond Election to Secure Funds Will be Held November 15.
SCHOOL Cost, \$37,000
WINTERS, Yolo Co., Cal. Grammar school.
Owner—Winters Grammar School District.
Architect—W. H. Weeks, 75 Post St., San Francisco.

Ready for Figures in About 2 Weeks
FRAME SCHOOL Cost, \$—
VISITACION, San Mateo Co., Cal. One-story frame school.
Owner—Visitation School District.
Architect—E. L. Norberg, 742 Market St., San Francisco.
NOTE:—Bonds to the amount of \$24,000 have been voted for property and building.
(30341) 1st report Sept. 24, 1919.

Plans Being Prepared.
SCHOOL Cost, \$—
BERKELEY, Cal. Oregon and Fulton Streets.
One-story brick and concrete school (Le Conte School).
Owner—City of Berkeley.
Architect—Henry H. Guttersen, 278 Post St., San Francisco.

Consulting Architect—Wm. C. Hays, 1st National Bk. Bldg., San Francisco.

Plans Being Prepared.
SCHOOL Cost, \$125,000
MARTINEZ, Contra Costa Co., Cal. Two-story and basement brick high school (14 or 15 rooms and an assembly room)
Owner—Alhambra High School District
Architect—A. A. Cantin, Foxcroft Bldg., San Francisco.
Bonds have been voted.

Working Drawings Being Prepared.
SCHOOL Cost, \$150,000
BISHOP, Inyo Co., Cal. Wireproof high school building.
Owner—Bishop High School District.
Architect—W. H. Weeks, 57 Post St., San Francisco.
Bonds have been voted.

Plans Being Figured. Bids Close Nov. 4th, 1919.
SCHOOL Cost, \$35,000
PILOT ROCK, Oregon. Two-story brick, tile and stucco school, 94x92 (8 class rooms and auditorium).
Owner—Pilot Rock School District.
Architects—Tourtellotte & Hummel, McKay Bldg., Portland.

FRESNO, Fresno Co., Cal.—Only one bid was received by Architect Ernest J. Kump, 207 Rowell Bldg., Fresno, for the construction of the one-story stucco grade school building for the Oil King School District in Fresno County, this being the bid of W. J. Ochs, Coalinga, at \$44,665, and he was awarded the contract. W. L. Rector is Clerk of the District.

LIVERMORE, Alameda Co., Cal.—The Trustees of the Livermore Union High School have awarded the contract for three furnaces with electric fan equipment to Nottingham & Co., of Oakland, at \$2,485. The contract for constructing the tennis court was awarded to C. A. Bruce of Pleasanton. (30583) 1st report Oct. 6, 1919.

CANA, Butte Co., Cal.—Following bids were received by Architect Chester Cole, Waterland-Breslau Bldg., Chico, for the construction of a one-story frame and stucco school building for Rock Creek School District to be erected at Cana, Butte County.
Prop. No. 1, frame building, stucco on metal lath with wood shingle roof.
Prop. No. 2, Same as No. 1, but with terra cotta tile walls.
Prop. No. 3, Same as No. 1, but with terra cotta tile roof.
W. R. Campbell, 3325 J St., Sacramento, (1) \$7,550; (2) \$8,400; (3) \$7,900.
Jos. L. Webster, Chico (1) \$6,220; (2) \$6,720; (3) \$7,070.
Contract was awarded to Webster on Proposition No. 3.

HANFORD, Kings Co., Cal.—The Trustees of the Eucalyptus School District have awarded a contract to Brown & Denham for the construction of additions to the present school building they being low bidders at \$3,875.

Preliminary Plans Approved. Work Drawings Being Prepared.
ADDITIONS Cost, \$—

MODESTO, Stanislaus Co., Cal. High School Grounds.

Domestic Science wing for high school; additional classrooms and basement cafeteria.

Owner—City of Modesto.

Architect—J. J. Donovan, 414 13th St., Oakland.

NOTE:—Bids for the work will be called about November 3rd.

BERKELEY, Cal.—The following bids were received October 21st by the Berkeley Board of Education for the construction of the Thousand Oaks School, a one-story hollow tile structure. Plans were prepared by Architect W. C. Hays, 1st National Bank Bldg., San Francisco.

(1) Excavating and Grading.

	A	B
Wm. Bruce	\$ 9,575	\$ 9,575
J. H. Green	5,790	5,790
W. J. Schmidt	4,700	4,700

(2) Concrete and Cement.

C. Christensen & Son	13,900	.....
W. J. Schmidt	11,700	10,600
Wm. Bruce	20,575	17,975

(3) Masonry.

White & Gloor	14,624	1,600
Wm. T. Bond	18,600	.....
Mesley & Collins	19,800	.....

(4) Carpentry, Glass and Glazing, Hardware, Blackboards, Structural and Ornamental Iron Work.

Val Franz & Son	42,222	47,622
C. D. Vezey	42,872	47,328
Connor & Connor	42,240	47,250
W. G. Thornally	45,785	52,400
C. Christensen & Son	48,344	56,600

(5) Lathing and Plastering.

F. Flynn	9,015	9,915
Wm. Makin	9,296	10,298
Geo. Dixon	10,123	10,923
A. Knowles	11,428	12,928

(6) Painting.

D. Zelinsky	2,675	2,675
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(7) Plumbing.

J. E. O'Mara	6,500	6,500
Wm. T. Wilson	5,928	5,828
J. M. Lettich	7,770	7,770
Ehrhart	7,195	6,975
Scott Co.	5,557	5,557
F. W. Snook & Son	5,435	5,435
T. A. Cappel. Alameda	5,299.99	5,299.99
Carl T. Doell	5,769	5,769
A. Lettich	5,997	5,997

Roofing and Sheet Metal Work.

A. K. Goodmundson	6,921	6,811
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Heating and Ventilating.

J. A. Nelson	11,700	11,120
J. E. O'Mara	11,200	11,170
Wm. F. Wilson Co.	11,831	11,733
W. K. Nottingham	11,982.30	11,922.30
Scott Co.	10,690	10,765
Carl T. Doell	11,466	11,454

Electric Work.

King Elec. Co.	4,048	3,815
Electrical Con. Co.	3,787	3,741
Capitol Elec. Co.	3,487	3,487

Shades.

D. N. & E. Walter	2,303.	.....
T. Swedberg	2,858.75	.....

STORES AND OFFICES

Plans Being Figured.

STORE Cost, \$100,000
SEATTLE, Wash. Sixth Avenue and Pine Street.

Two-story heavy mill construction retail store, 110x120.

Owner—J. T. Heffernan Engine Works, Seattle, Wash.

Architect—John Graham, L. C. Smith Bldg., Seattle, Wash.

Separate figures are being taken from general contractors, plumbers, heaters and electrical firms.

Contract Awarded.

ALTERATIONS Cost, \$4000
SAN FRANCISCO. No. 16 Mason St. Alterations to store (new front, fixtures, shelves, etc.).

Owner—Art Tailoring Co., 39 5th St., San Francisco.

Architect—Norman R. Coulter, 46 Kearny St., San Francisco.

Contractor—Schultz Constr. Co., 46 Kearny St., San Francisco.

Plans Being Figured.

ALTERATIONS Cost, \$20,000
SAN FRANCISCO. SE Sixth & Market Streets.

Alter second floor of Hewes Building (marble work, bronze and mahogany fixtures, etc.) for offices. (bank style).

Owner—Western States Life Insurance Company.

Architects—Reid Bros., 105 Montgomery St., San Francisco.

Contract Awarded.

ALTERATIONS Cost, \$—
SAN FRANCISCO. SW Sixth and Market Streets.

Alter 1st floor into 5 stores (one cigar store).

Owner—United Cigar Co., 557 Howard St., San Francisco.

Architect—C. E. Jones, 557 Howard St., San Francisco.

Contractor—Wm. Martin.

Plans Being Prepared. Ready for Figures End of This Week.

ALTERATIONS Cost, \$4,000
SAN FRANCISCO. SE Third and Stevenson Streets.

Alter 1st floor into 2 stores (not cigar stores.)

Owner—United Cigar Co., 557 Howard St., San Francisco.

Architect—C. E. Jones, 557 Howard St., San Francisco

SAN FRANCISCO.—The Commercial Union Insurance Co., 558 Sacramento Street, has purchased the fifty vara lot fronting on Montgomery, Pine and Summer streets, and will erect a large Class "A" office building. No architect has been selected.

FRESNO, Fresno Co., Cal.—A. Mattel, 202 "I" St., Fresno, has purchased the old Judge Sayle residence site at the corner of "J" and Tuolumne streets and plans the erection of a modern office building.

Plans for the other office structure erected by Mr. Mattel in this city were prepared by Architect Eugene Mathewson, Cory Bldg., Fresno, who will no doubt be commissioned to prepare plans for the new building.

Plans Being Prepared.

AUTOSALES ROOM, ETC Cost, \$20,000
FRESNO, Fresno Co., Cal. Van Ness bet. Kern and Inyo Streets.

One-story fireproof autosales room and garage, 75x150.

Owner—M. M. Shoshan.

Leased to—Spear-Bourst Automobiles Co., Coalinga, Cal.

Architects—Swartz & Swartz, Rowell Bldg., Fresno.

Contracts Awarded.

STORES Cost, \$30,000
SAN FRANCISCO. S Post St. 210 E Larkin Street.
One-story and basement brick stores, 65x89.

Owner—Jackson R. Myers.

Architect—Earl Bertz, Foxcroft Bldg., San Francisco.

Carpentry awarded to Thos! Hamill. Grading to Eureka Teaming Co. Steel Sash to Michel & Pfeffer. Brick work to James Fennell.

Lumber to McCallum Lumber Co. Mill work to Empire Planing Mill.

Plumbing to J. J. McLeod.

Marble work to Jos. Musto Sons. Keenan Company.

Store Fronts to Zouri Drawn Metal Company.

Sheet Metal work to Guilfooy Cornice Company.

Electric wiring to The Butte Elec. & Eng. Company.

Figures are still being taken for painting, plastering, glass and concrete work, for which contracts will be awarded shortly.

THEATRES

Working Drawings Being Prepared. ALTERATIONS Cost, Between \$500,000 and \$1,000,000.

SAN FRANCISCO. NE Jones and Market Streets.

Alter portion of Class "A" store building into motion picture theatre.

Owner—Withheld.

Architect—Alfred Henry Jacobs, 110 Sutter St., San Francisco.

The rear portion of the building will be altered into the theatre with about a 60-foot entrance on Market street. Alterations will also be made to Pragers store.

Plans Prepared. Sub-Figures to be Taken.

THEATRE Cost, \$—
CROCKETT, Contra Costa Co., Cal. Loring Avenue.

Two-story steel and reinforced concrete motion picture theatre and rooms.

Owner—Alex Pezzuto, Crockett, Cal.

Architect—Withheld.

Figures to be Taken This Week.

THEATRE Cost, \$—
SAN FRANCISCO. No. 3450 Mission St., near 29th (Lyceum Theatre).

One-story Class "A" motion picture theatre.

Owner—Withheld.

Architects—Reid Bros., 105 Montgomery St., San Francisco.

Plans to be Prepared.

ALTERATIONS Cost, Bet. \$60,000 and \$70,000.

SAN FRANCISCO. No. 644 Broadway. Extensive alterations to Verdi Theatre.

Owner—Crescent Theatres, Inc., (A. N. Jackson, 935 Market St.)

Architects—Reid Bros., 105 Montgomery St., San Francisco.

Construction will not be started until after the first of the year.

ENGINEERING

BRIDGES, DAMS & HARBOR WORK

EL CENTRO, Imperial Co., Cal.—Until 2 P. M., November 4, bids will be received by the Directors of the Imperial Irrigation District, Masonic Bldg., El Centro, for raising with earth Volcano Lake levee between Mile 8 and Mile 16 in Mexico, involving about 120,400 cu. yds. earthwork. The material will be taken from borrow pits to be provided by district and hauled on existing track on levee. Certified check for 10% required. F. H. McIver, Secretary.

SANTA BARBARA, Cal.—City Engineer A. B. Cook has been authorized by the City Council to do certain grading on Round-the-City Blvd., for which bids were asked but none received. The construction of a bridge across Sycamore canyon, estimated to cost \$60,000, is a part of this project.

AUBURN, Placer Co., Cal.—Bids will be received up to November 4th, 2 P. M., by A. S. Fleming, County Clerk, for the construction of a concrete bridge on the Auburn-Grass Valley Road, across Rock Creek.

RED BLUFF, Tehama Co., Cal.—County Surveyor W. F. Luning is completing surveys for the proposed bridges across the Sacramento at Squaw Hill.

H. G. Kuhn is County Clerk.

PORTERVILLE, Tulare Co., Cal.—The Bridge Committee appointed by the City Council has recommended the construction of a concrete bridge of the low arch type across the Porter Slough on D street. The structure will cost about \$30,000.

YUBA CITY, Sutter Co., Cal.—County Engineer Edward Von Geldern and Engineer Earl Cope have reported to the Sutter County Supervisors of the dangerous condition of the Feather River bridge between Marysville and Yuba City and recommend that immediate improvements be made. It is estimated the work will cost \$8,000. The cost will be borne jointly by Sutter and Yuba Counties. L. B. Crook is Yuba County Surveyor.

REDDING, Shasta Co., Cal.—A petition has been received by the County Supervisors asking the construction of a bridge across the Sacramento River at Keswick.

HOLLISTER, San Benito Co., Cal.—County Engineer W. A. Winn has been instructed to prepare plans and estimates of cost for the construction of a bridge on the New Road commonly called the Ausaymas and Fairview Cut Off at or near engineer's survey station 59-40, also for a bridge on the new road commonly called the Ausaymas and Fairview Cut-Off at or near engineer's survey station 99-60.

Elmer Dowdy is County Clerk.

LOS ANGELES, Cal.—The Ross Construction Co., San Diego and Sacramento, was awarded the contract at

\$29,863 for the construction of two reinforced concrete bridges on Brand Blvd. over Verdugo wash. The bridges will each be 24 feet wide and 90 feet long, girder type, consisting of three spans with concrete piers and abutments. They will carry the roadway on either side of the Pacific Electric right of way on which the railroad company has also agreed to build a concrete bridge. The plans were prepared in the county road department. The bridges are being built in connection with the county flood control work.

REDDING, Shasta Co., Cal.—H. E. C. Fusler, Chief Engineer for the Pit River Power Company, has completed extensive preliminary surveys along Pit River for a distance of 25 miles up stream from Copper City, including the sites for two dams.

AUBURN, Placer Co., Cal.—County Clerk A. S. Fleming has been instructed by the County Board of Supervisors to call for bids for a bridge over Rock Creek, on the Grass Valley road.

Bids have also been ordered received for the Moore's bridge, to be constructed over the Auburn ravine, a short distance below Lincoln.

Jerome Barrien is County Engineer.

RENO, Nevada.—The County Supervisors have agreed to pay half the cost of a concrete bridge, 24 feet in width, across Clear Creek on the Reno-Carson highway, the remaining one-half to be paid by the State Highway Commission.

The structure is not to exceed \$7,000 in cost.

RICHMOND, Contra Costa Co., Cal.—J. E. Staniger, Point Richmond, submitted the only bid to the City Council at \$2,598.43 for the improvement of Santa Fe avenue and this was taken under advisement.

PRESCOTT, Ariz.—It is reported the Walnut Grove dam in the Hassayampa river, near Wagner, destroyed by flood in 1890, will be rebuilt by J. Whitman of New York, beneficiary of the estate of H. S. Van Buren, deceased. It is said plans have been formed to irrigate about 16,000 acres west of Hot Springs Junction. The estimated cost of the project is \$1,000,000.

SACRAMENTO, Cal.—Plans and specifications have been presented to the State Reclamation Board for approval by the Delta Farms Reclamation District for improvements in the district costing \$325,000.

The work will include levees, extension of canals and ditches.

FRESNO, Fresno Co., Cal.—The Supervisors have decided to repair the Sand Creek, Dunlap cut-off and the Milwood roads at a cost of \$3,000. The work has been recommended by County Highway Engineer C. P. Jensen.

FRESNO, Fresno Co., Cal.—County Highway Engineer C. P. Jensen is completing plans for the following bridges to be constructed under the recent \$3,800,000 county highway bond issue: Reinforced concrete bridge two

miles north of Belmont on Clovis avenue; reinforced concrete bridge three miles south of Sanger and reinforced concrete bridge one mile east of Riverdale. All will be 50 feet long and twenty feet wide.

Plans for repairing four bridges across the Fresno slough in the vicinity of Tranquillity and San Joaquin are also being completed in the office of the County Engineer.

SAN DIEGO, Cal.—Until 10:30 A. M., November 5, bids will be received by the Supervisors of San Diego County for constructing a reinforced concrete bridge of two 30-ft. girder spans across Boundary creek near Jacumba, on state highway, Div. VII, Route 12, Sec. G. Certified check for 5% required. Plans may be obtained on deposit of \$5. J. B. McLees, Clerk.

SAN JOSE, Santa Clara Co., Cal.—Following bids were received by the Santa Clara County Supervisors for the construction of a reinforced concrete bridge on the Pierce road in Supervisor District No. 5:

E. Nommensen	\$14,679
Herschback & Sciarino	11,100
Wm. Martin	14,499
Surveyor's Estimate	\$11,535.

Owing to a clerical error in one of the bids were rejected and new bids ordered up to November 17th, 11 A. M. Henry A. Pfister is County Clerk.

OAKLAND, Cal.—Following bids were received by the Alameda County Supervisors for the re-construction and repair of the pile piers and pile bent of the combination bridge across Alameda Creek on the first crossing east of Niles:

C. A. Bruce	\$6,978
Breese & Burgund Co.	6,894
Hyde-Harjest & Co.	6,470
M. E. Fernandes	7,188

The bids were rejected.

IRRIGATION WORK

ALTURAS, Modoc Co., Cal.—The work of surveying the Jess Valley irrigation project has commenced under the direction of E. T. Erickson, an engineer for the federal reclamation service. Erickson is being assisted by F. F. Armont, also in the federal service, and the staff of County Surveyor A. M. Green.

The initial point of the survey is the junction of the county road to Likely and the Nevada-California-Oregon railroad track.

The work, which is being paid for jointly by the government and the citizens of Modoc county, will be completed within two months.

WATSONVILLE, Santa Cruz Co., Cal.—LaMontagne & Easley, of Antioch, have been awarded a contract for a large reclamation project near Watsonville for "Reclamation District No. 1." The work will cover about 3,000 acres and will take about six months to complete. Construction on concrete flood gates, etc., will be started within one week.

MODESTO, Stanislaus Co., Cal.—Percy Jones, Chief Engineer of the Modesto Irrigation District, has been instructed to proceed with the repair



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New and re-newed screw casing and standard pipe for every requirement; tested and guaranteed for 150 pounds working pressure; dipped in hot asphaltum to prevent corrosion. Extensively used by orchardists and farmers, water-works, mines, etc.

Pacific Screw Casing is seamless steel pipe, light weight, fine thread. Saves you from one-half to two-thirds in cost; freight is half as much as on standard pipe.

Fittings and valves for every purpose; special fittings made to order. Tell us today what your requirements are; let us save you money.

PACIFIC PIPE CO.,
231 Howard St. San Francisco

work in the Hazen fill in lateral No. 4, calling for the laying of 2,000 feet of cement pipe, cutting down the width of the ditch and removing the banks.

WOODLAND, Yolo Co., Cal.—The Yolo Water & Power Company has awarded a contract to the Shattuck-Edinger Co., 525 Market St., San Francisco, for rebuilding several canals and other equipment, such as water heads and gates.

The canals to be rebuilt are the Maple Canal at Woodland and the Willow Canal at Winters.

SACRAMENTO, Cal.—Application has been filed with State Engineer W. F. McClure for the formation of the proposed Foothill Irrigation District, which will irrigate several thousand acres in Fresno and Tulare Counties.

MODESTO, Stanislaus Co., Cal.—At a joint meeting of the Modesto and Turlock Irrigation Districts the Directors instructed their engineers to secure data and estimates of costs on a hydraulic power plant and transmission lines in connection with the Don Pedro project. The data is necessary for the State Railroad Commission which must approve of the work which will cost about \$5,000,000. The power plant will cost about \$700,000.

R. C. Melkie, Chief Engineer of the Turlock and Percy Jones, Engineer for the Modesto District, have been authorized to secure the service of an expert in compiling the data.

MACHINERY

MADERA, Madera Co., Cal.—The County Supervisors have passed a resolution authorizing the purchase of five trucks and tractors for the five road

districts, five trucks having already been purchased at a cost of \$17,100.

The tractors are yet to be purchased and will cost about the same amount as was paid for the trucks.

SEWERS, STREET WORK, ROADS AND WATER SYSTEMS

ENREKA, Humboldt Co., Cal.—November 11th, 2 P. M., is the date set by Fred M. Kay, County Clerk, for the opening of bids for the construction of 3.9 miles of wagon road, known as the Lord-Elis and Hoopa road, in Road District No. 3.

RED BLUFF, Tehama Co., Cal.—Bids will be received by H. G. Kuhn, County Clerk, up to November 10th, 10 A. M., for furnishing corrugated iron culverts to Supervisor District No. 2, as follows:

- 680 linear feet of 8 inch pipe, gauge number 16,
- 630 linear feet of 10 inch pipe, gauge number 16,
- 336 linear feet of 12 inch pipe, gauge number 16,
- 80 linear feet of 14 inch pipe, gauge number 16,
- 66 linear feet of 18 inch pipe, gauge number 16,
- 50 linear feet of 24 inch pipe, gauge number 16,
- 40 linear feet of 30 inch pipe, gauge number 14,
- 20 linear feet of 32 inch pipe, gauge number 14,
- 138 linear feet of 36 inch pipe, gauge number 14.

All bids must state the price per linear foot of each dimension as given above f. o. b Red Bluff.

FRESNO, Fresno Co., Cal.—The County Supervisors, on recommendation of County Highway Engineer C. P. Jensen, have awarded the following contracts for county highways for which bids were opened recently:

To Blanchard, Crocker & Howell, 58 Second St., San Francisco, at \$375,816.46, or \$27,431.86 per mile.

Route 1, Section A, White's Bridge avenue: Specifications adopted calls for 1—3—6 mixture of concrete base, 5 inches in depth, with a Warrentite surfacing; engineer's estimate, \$360,531.50, or \$26,314.14 per mile.

To Blanchard, Crocker & Howell at \$300,329.48, or \$28,602.808 per mile.

Route 15, Section B and part of A, Ventura, avenue: 1—3—6 concrete base with Warrentite surfacing specified; engineer's estimate, \$273,865.26, or \$26,065.263 per mile.

To Worswick Constr. Co., I and San Diego Sts., Fresno, at \$89,399.50, or \$17,867.90 per mile.

Route 6, Section A, Shaw avenue: Asphalt concrete construction; engineer's estimate, \$84,513.50, or \$16,902.70 per mile.

To Worswick Constr. Co., at \$5,064, or at the rate of \$29,788.23 a mile.

Route 10, Section A, South Van Ness avenue: 1—3—6 concrete base with Warrentite surfacing; engineer's estimate, \$5,606.80, or at the rate of \$32,975.29 per mile.

To Hugh Crumme, Hearst Bldg., San Francisco, at \$10,764.27, or an average of \$26,309.803 per mile.

Route 19, Section A, Adams avenue: Specifications for 1—3—6 concrete base with Warrentite surfacing; engineer's estimate, \$108,786.84, or \$25,840.165 per mile.

To Thompson Bros., 1514 "H" St., Fresno, at \$38,601, or \$31,891.67 per mile.

Route 9, Section A, Belmont avenue: 5-inch 1—3—6 concrete base with Warrentite surfacing; engineer's estimate, \$39,031.64, or \$32,257.65 per mile.

The rejected bids on Blackstone and Elm avenues were nearly \$20,000 higher than the engineer's estimate on the first named and more than \$45,000 on the latter. They were ordered rejected and the matter of re-advertising the work was taken under advisement.

Engineer Chris Jensen made some recommendations on changes in the specifications of these two highways which will probably be taken into account before bids are re-advertised. He suggests concrete construction with a wearing surface on Elm avenue from the city limits to Adams avenue, but the balance to be constructed of 5-inch asphalt concrete.

He recommends an asphalt concrete specification for that section of Blackstone avenue for the one mile between Shaw and Herndon avenues but with a concrete base and wearing surface for the remainder of the roadway.

SANTA CRUZ, Santa Cruz Co., Cal.—Robert O'Brien, Hearst Bldg., San Francisco, submitted the only bid to the County Supervisors for the construction of the 2.28 miles of permanent highway between the city limits of Santa Cruz and Soquel at \$49,571.34; itemized as follows:

Excavation, \$11,685; corrugated iron culvert, \$529.50; guard rail, \$1465; concrete culvert, \$238; concrete pavement, \$35,653.84.

The bid is in excess of the county engineer's estimate and will probably be rejected. Harry Miller is County Clerk.

SACRAMENTO, Cal.—The California highway commission rejected all bids received September 29 for constructing two reinforced concrete bridges in Humboldt County between Garberville and Miranda (Q-Hum-1-B) and the work will be done by force account. Engelhardt Paving & Construction Co. submitted the lowest bid at \$21,742.

The Commission also rejected the bid of Mercer-Fraser Co. at \$94,754 for grading and paving with concrete 7.4 miles of state highway in Humboldt County between Beatrice and Eureka (I-Hum-7-G) and the work will be done by force account.

The Commission also rejected the bid of P. Rolandi at \$220,820 for paving with concrete 18.2 miles of state highway in Siskiyou County between Weed and the southerly boundary (H-Sis-3-A), and the work will be done by force account.

MONTEREY, Monterey Co., Cal.—The City Trustees, Archie Kay, City Clerk, has passed resolution of intention No. 1238, C. S. providing for the construction of an 8-inch vitrified ironstone pipe sewer in portions of David avenue and a 6-inch sewer pipe in Lilly street and the construction of 5 manholes.

An ordinance authorizing the City Clerk to call bids for the improvement of Perry street from the west line of Washington street to the east side of Alvarado by the construction of an asphaltic macadam pavement from gutter to gutter, has also been approved by the Trustees.

SEATTLE, Wash.—The City Council has appropriated \$90,000 to finance the improvement of Rainier avenue from 57th avenue south to Ryan St.

HOLBROOK, Ariz.—Until 11 A. M., November 3, bids will be received by R. S. Teeple, Clerk of Board of Supervisors of Navajo Co., for constructing timber and rock bulkhead at east end of Little Colorado river bridge, 2 miles east of Winslow, involving 560 lin. ft. round piling, 2844 lin. ft. sheet piling, 1000 ft. B. M. lumber and 70 cu. yds. rock filling. Plans and specifications may be obtained from County Engineer.

TUCSON, Ariz.—J. C. Ryan, County Engineer of Cochise County, Ariz., has been appointed highway engineer of Pima County, and will have charge of the construction of roads under the \$1,500,000 county road bond issue. He will report for duty on December 1.

VISALIA, Tulare Co., Cal.—Seven firms bid on the proposed city street paving as follows: Federal Constr. Co., Blanchard, Crocker & Howell and Hugh Crumney of San Francisco; Thompson Bros., of Fresno; A. H. Vaughn of Hanford; A. Teichert & Son of Sacramento, and Municipal Improvement Co. of Oakland. The lowest price bid for paving was 10c sq. ft., but pending a tabulation of the figures the successful bidder was not announced.

BLYTHE, Riverside Co., Cal.—County Surveyor A. C. Fulmer of Riverside, states that bids will be called for soon for constructing waterbound macadam roads in six districts in the Palo Verde valley, for which special tax levies have been voted. An election will be held soon in the Rannells district to vote on issuing bonds for roads.

SACRAMENTO, Cal.—The California Highway Commission will proceed by force account to surface with asphalt 1.5 miles of state highway in Tulare Co. between Visalia and Fulghams corners (VI-Ful-4-D). Only one bid for this work was received from the Federal Construction Co., at \$21,870, which was rejected.

LOS ANGELES, Los Angeles Co., Cal.—Wm. Liddington, 420 E. Sixth St., Los Angeles, was awarded the contract at \$21,996.40 for grading and paving a section of Coast Blvd. near El Segundo, involving 48,422 sq. ft. 5-in. concrete paving, a lump sum bid being taken for grading. Other bids

were: W. D. McCray, \$26,079.17; Chas. T. Salata, \$29,589.72.

LOS ANGELES, Cal.—Wm. Liddington, 420 East Sixth St., Los Angeles, was awarded the contract at \$12,501.07 for improving Francisco Ave. between Windsor Ave. and Burck Place. Other bids were: Chas. T. Salata, \$15,848.92; M. S. Cummings, \$21,436.66.

FRESNO, Fresno Co., Cal.—The City Council, Chas. Dillon, City Clerk, has awarded a contract to the California Road & Street Improvement Co., Bank of Italy Bldg., Fresno, for the improvement of the alley in Block 117 by grading; constructing 2x6 redwood curbing and paving with a 4-inch cement concrete base with a bitulithic wearing surface 1½ inches thick.

A contract has been awarded to Thompson Bros., 1514 "H" street, Fresno, for the construction of 6-inch lateral sewers and the installation of manholes in portions of Blocks 88 and 89.

LOS ANGELES, Cal.—Fairchild-Gilmore-Wilton Co., Pacific Electric Bldg., Los Angeles, was awarded the contract at \$47,595.37 for improving Ingraham St. between Kip and Little Sts., and portions of other streets, involving 146,571 sq. ft. rough grading, 146,571 sq. ft. Warrenite paving, 5130 ft. cement curb, 1050 sq. ft. cement sidewalk, 3854 sq. ft. concrete gutter, 81 ft. house connection sewers and storm drains. Other bids were: Bryant & Austin, Inc., \$50,584.57; Los Angeles Paving Co., \$50,913.96.

MODESTO, Stanislaus Co., Cal.—The Modesto Irrigation District, Percy Jones, Chief Engineer, has awarded a contract to Lambert & Bauman for laying 1300 feet of 16-inch cement pipe in the Haworth Drain at 33½ cents per lineal foot and \$15 each for 3 manholes, and to W. H. Webb for 700 feet of 16-inch cement pipe in the Trask Drain at \$1.55 per lineal foot and \$40 each for two manholes.

WILLOWS, Glenn Co., Cal.—County Surveyor Knock is preparing estimates of cost for the improvement of the Stonyford road. The construction of a concrete bridge is also included in the work.

FRESNO, Fresno Co., Cal.—Sales Manager Bert Goldsmith of the Forkner-Griffen Gardens Tract, has awarded a contract to the Pacific Tank & Pipe Co., 318 Market street, San Francisco, for the erection of a 50,000 water tank on a tower 60 feet in height. The tank is being installed to furnish an adequate water supply for the tract. The work will cost about \$25,000.

FRESNO, Fresno Co., Cal.—The County Supervisors have abandoned the plan of constructing a highway from Coalinga to the New Idria territory just across the San Benito County line. The estimated cost of the construction was placed at \$61,000 by County Engineer C. P. Jensen and this was considered excessive. It is probable a new route will be laid out and plans for the work placed under way.

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SANTA ROSA, Sonoma Co., Cal.—Only one bid was received by the County Supervisors, Lloyd Aldrich, County Highway Engineer, for the construction of nine miles of county highway from Petaluma to Valley Ford, this being that of George W. Connor of Santa Rosa, at \$190,000.

Two bids were received for the Sonoma-Petaluma section, these being W. A. Dontanville of Salinas, at \$133,000 and G. W. Connor of Santa Rosa, at \$112,000. This stretch covers about five miles. The bids were rejected.

PHOENIX, Ariz.—Hiram Phillips, consulting engineer of St. Louis, employed on the proposed gravity water system for the city of Phoenix, states that plans and specifications will be ready about November 1, and that a call for bids will be issued within 30 days. Mr. Phillips is now in Phoenix working on the project in conjunction with City Engineer L. B. Hitchcock.

STOCKTON, San Joaquin Co., Cal.—The Federal Construction Co., Call Bldg., San Francisco, has been awarded a contract by the City Council for surfacing the wharf space on the south side of the Stockton channel in the block opposite the Sperry Mills, the bid being \$766.44. The only other bid was that of the Clark & Henery Construction Co., at \$822.90.

FRESNO, Fresno Co., Cal.—Clarence Murray, City Engineer, has completed plans and specifications for additional sewer improvements to be undertaken in the North Fresno Sewer District which will cover the installation of about 90,000 feet of 6 inch laterals. Chas. Dillon is City Clerk.

SACRAMENTO, Cal.—The following award was made by the Advisory Board of the Department of Engineering on October 15th, 1919:

To T. M. Onley, 358 Vernon Street, Oakland, Cal., for the construction of a section of State highway in Amador County, Division 111-Route 34-Section B, (between Ione and Jackson) 10.7 miles in length. Contract price, \$66,469.

SOUTH SAN FRANCISCO, San Mateo Co., Cal.—The City Trustees, Wm. J. Smith, City Clerk, has passed resolution of intention No. 39, providing for the improvement of portions of Swift avenue by grading, constructing asphaltic concrete pavement eighteen feet wide, consisting of an asphaltic concrete wearing surface 1½ inches thick laid on a cement concrete base six inches thick and constructing four circular corrugated iron culverts, each having a diameter of 18 inches.

VISALIA, Tulare Co., Cal.—Federal Construction Co., of San Francisco, was awarded the contract at about \$160,000 for paving about 2½ miles of city streets. On a portion of the streets the paving will have 4-in. base and on the remainder a 3-in. base. Some portions will have a bitulithic wearing surface and others a Topeka top. The price ranges from 18.1c to 22.6c sq. ft.

UPLAND, San Bernardino Co., Cal.—W. C. Cline of Upland was awarded the contract at \$96,465.02 for improv-

ing Euclid avenue between Tenth and Twenty-fourth streets, involving (a) 551,190 sq. ft. surfacing with oil and rock screenings at 1½¢ sq. ft.; (b) 574,600 sq. ft. 4-in. concrete paving at 13½¢ sq. ft.; (c) 37,148 lin. ft. stone curb at 20¢ lin. ft., and 340 lin. ft. reinforced concrete culvert at \$181.50 lump sum. E. L. Fleming of Pomona, submitted the only other bid at \$108,237.42. F. C. Froedhe is City Engineer.

OAKLAND, Cal.—The City Council, L. W. Cummings, City Clerk, has passed a resolution of intention providing for the improvement of Porter and Sutter streets, from 35th to 38th avenue; Octavia and Abbey street from Sutter to Porter street, and Loma Vista avenue between Quigley and Porter streets by grading; construction of concrete curbs and gutters; cement sidewalks and paving with oil macadam; construction of concrete culverts 2 feet high and 2 feet 6 inches in width; vitrified pipe conduits; brick storm water inlets; cast iron outlets, etc.

of Harbor Commissioners, Frank G. White, Chief Engineer, has awarded an (informal) contract to O. G. Ritchie for laying seal coat wearing surface on wooden deck of Pier 43, at \$0.035 per square foot.

BERKELEY, Alameda Co., Cal.—The City Council has passed resolution of intention No. 398-N.S. providing for the construction of sidewalks 6 feet in width in the westerly sidewalk area of Spaulding avenue from the north line of Dwight Way to the south line of Channing Way, where not already laid. A. G. Briggs is City Clerk.

SANTA BARBARA, Cal.—Until 7:30 P. M., November 6, bids will be received by City Clerk S. B. Taggart for Paving Grand Ave. between Valerio and California Sts., with 2-in. bituminous macadam pavement, constructing cement curb and gutter, etc. Work will be done under improvement act of 1911.

SANTA MONICA, Los Angeles Co., Cal.—Ordinances of intention to improve nine streets in the Palisades district, involving a total of 1,205,382.65 sq. ft. of paving have been adopted by the City Commission and bids will be called for soon. The work will be done under the Vrooman act. One district will comprise portions of Montana avenue and seven other streets involving the following quantities: Montana avenue, 117,780.76 sq. ft., and San Vicente Blvd., 156,792.27 sq. ft., 1½-in. asphaltic concrete base with 2½-in. bitulthic wearing surface: Palisades avenue, 119,775.79 sq. ft.; Alta avenue, 113,661.53 sq. ft.; Marguerita avenue, 118,673.73 sq. ft.; Georgina avenue, 123,846.98 sq. ft.; Adelaide Drive, 72,179.06 sq. ft., and Fourth street, 171,161.83 sq. ft., 2-in. bitulthic paving; also concrete curbs, ornamental reinforced concrete lighting posts, conduits and appurtenances; 24-in. double strength vitrified pipe storm drain; 36-in. and 42-in. radial interlocking brick storm drain; 36-in. concrete monolithic storm drain; 42-in. corrugated iron 12-gauge storm drain with wooden protection pipes; junction chambers, manholes, etc. The other district compris-

ing Second St. between Santa Monica Blvd. and Montana Ave., will involve 217,510.70 sq. ft. paving, 2½-in. asphaltic concrete base with 1½-in. bitulthic wearing surface, curbs and ornamental reinforced concrete lighting posts, conduits, etc. John A. Morton, City Engineer.

PHOENIX, Ariz.—Until 2 P. M., November 8, bids will be received by State Engineer Thomas Maddox at the office of the Greenlee County highway commission, Clifton, Ariz., for constructing portions of the Clifton-Franklin highway, federal aid project No. 13, involving 63,000 cu. yds. roadway excavation, 3900 cu. yds. concrete, 93,000 lbs. reinforcing steel and incidental work. Plans and specifications may be obtained from State Engineer at Phoenix on payment of \$5. Certificate check for 5% required.

EUREKA, Humboldt Co., Cal.—The County Clerk has been instructed to call bids for the completion of the Lord-Ellis Road for a distance of 3.9 miles. This is the fourth section of the road which will complete it as far as Green Point.

Plans may be had from the County Clerk at Eureka.

SOUTH SAN FRANCISCO, San Mateo Co., Cal.—The following bids were received by the City Trustees for the construction of a sewer in Commercial avenue from Chestnut to Ashton avenues:

W. J. Tobin, 527 Santa Ray St., Oakland	\$1,681.56
D. O. Church	3,159.50
Jas. T. Tobin	5,234.44
Moran Improvement Co.	2,79.13
T. E. Clinch	2,289.15
Chas. Lindgren	2,657.22

MARTINEZ, Contra Costa Co., Cal.—From plans prepared by City Engineer Farley bids are being received by property owners for the improvement of Escobar street between Court and Lafayette streets. Plans provide for a 5-inch concrete base with a Topeka topping.

OAKLAND, Cal.—The City Council, L. W. Cummings, City Clerk, has passed resolution of intention No. 19160 N. S. providing for the improvement of Eastman avenue between its northeast termination and Penniman avenue and a portion of Sutter street adjacent to Eastman avenue by grading; constructing redwood curbs; concrete gutters and paving with an oil macadam.

RAILROADS

LAKEVIEW, Ore.—Colonel E. R. Place is in this city securing rights-of-way for an extension of the Nevada, California and Oregon Railroad, which covers 171 miles between Hackstaff and Lakeview. It is planned to extend the line northward from Lakeview to Valley Falls, a distance of 28 miles.

SAN FRANCISCO.—A Meister & Sons Co., 403 9th St., Sacramento, submitted the only bid to the Board of Public Works for the construction of a center entrance car for the Municipal Railway

under Contract No. 121, at 45% plus labor and material.

MARTINEZ, Contra Costa Co., Cal.—A. V. Soph, Engineer, of Berkeley, has been in Martinez inspecting with County Engineer R. R. Arnold the proposed site of the subway under the tracks of the Southern Pacific on the Pinole road. Engineer Soph is completing specifications for the proposed structure. J. H. Wells is County Clerk.

FIRE EQUIPMENT.

REDWOOD CITY, San Mateo Co., Cal. The County Supervisors, Elizabeth M. Nash, County Clerk, have passed a resolution empowering the town of Colma to equip and maintain a fire department.

LOS ANGELES, Los Angeles Co., Cal.—Until 9 A. M., October 29, bids will be received by the City Purchasing Agent, Room 202, north City Hall Annex, for three motor-propelled triple combination pumping engine, chemical and hose wagons in accordance with specifications No. 287, on file at the office of the purchasing agent. Chas. L. Wilde, City Clerk.

IF YOU DON'T LIKE U. S., GO HOME, IS STREET PLACARD.

WAUKEGAN, Ill.—Waukegan has adopted a unique method of letting the world know of her patriotism. Deputy sheriffs have posted signs on street corners here reading:

"This is an American town. Don't criticize our President, our allies or our government.

"If you don't like our country, go back to your own country.

"If you have no country, go to hell."

GOVERNORS ASKED TO DECLARE ANOTHER HOLIDAY.

NEW YORK.—Governors of all States will be asked to declare November 11, the first anniversary of the armistice, a legal holiday as "American Legion Day."

AN ELECTION BET.

If Charlie Powers and Senator "Wild Bill" Scott are not elected members of the Board of Supervisors at the coming election, Jimmie Casserly, who occupies the throne in the Contractors' Club at the rear of the Builders' Exchange, will have to pay off an election bet.

Jimmie is confident of both candidates securing the necessary votes, but it happens that a few of Jimmie's friends think otherwise. Hence the bet.

The names of the parties who took up Jimmie's offer are withheld, as they themselves stated, it was not because they are against the Senator or Charlie, but because Jimmie is "so confoundedly confident of both going over the top."

However, we want to see Jimmie win, and again, we hate to see the other boys lose.

But the bet. Well the bet is a secret. But Jimmie says a multitude of glasses will have to be wiped before the bet is paid off, no matter who is the winner.

CONTRACTS AWARDED

Liens, Acceptances, Etc.

BUILDING CONTRACTS.

San Francisco County.

The following is an index for the contracts for this issue.

No.	Owner	Contractor	Am't.
2287	U S Mil Pdts.	Schell	18500
2288	Royal Ins	Wagner	15099
2288	Royal Ins	Wagner	15000
2290	Barnett	Jackson	15000
2291	Polan	Sharman	4300
2292	Fraser	Meyer	4300
2293	Johnson	Johnson	8000
2294	Rousseau	Rousseau	12390
2295	Halsted	Halsted	1900
2296	Macdonald	Owner	15000
2297	Johnson	Johnson	4500
2298	Costello	Costello	4000
2299	Marron	Marron	2000
2300	Leighton	Morton	1000
2301	Crocker	Duncan	850
2302	Terranova	Owner	500
2303	Garibaldi	Owner	500
2304	Dohfeld	Ahl	600
2305	Same	Same	400
2306	De Young	O'Neill	500
2307	Monte	Purdy	600
2308	Nelson	Nelson	6000
2309	Hooper	Ross	978
2310	Moeller	Leigh	4700
2311	Simonds	Simonds	4000
2312	Norris	Greater City Lbr	3000
2313	Shabagalala	Owner	500
2314	Paganini	Cal Cptr Shop	500
2315	Guniasso	Montani	1000
2316	Phillips	Owner	700
2317	Heininger	McDonald	450
2318	Nestor	Bovyer	400
2319	Low	Stevens	3000
2320	S F Catering	McLeran	5550
2321	Moeller	Leigh	5000
2322	Hueller	Leigh	4700
2323	Baummann	Black	6000
2324	Fassio	Fassio	40000
2325	Law	Law	8000
2326	Mohler	Owner	7200
2327	Urban	Duncan	3000
2328	Fisher	Owner	6000
2329	Carillon	Owner	500
2330	Kyle	Kyle	1000
2331	Norris	Cinton	40000
2332	Myers	Myers	25000
2333	O'Reilly Cloak	Bessett	3750
2334	Imperial Rlty	Barrett	1000
2335	Farrell	Phoenix	500
2336	McSheehy	McSheehy	475
2337	Untl	Cal Cptr Shop	600
2338	Hotaling Estate	Owner	500
2339	Shirdman	Cameron	400
2340	York Rlty	Carlin	6500
2341	Schoenberg	Barrett	2865
2342	Falvey	Falvey	12000
2343	Keenan	Keenan	7000
2344	Hotaling	Central Iron	500
2345	Schoenberg	Owner	20000
2346	Donnelly	Ahnfeldt	12800

FACTORY

(2287) W TENTH 150 S Folsom. One story brick Class "C" factory.
Owner—U. S. Metal Products Co., 555 10th, San Francisco.
Architect—None.
Contractor—Samuel Schell, 180 Jessie, San Francisco.
COST, \$18,500

ROOF HOUSE

(2288) NW PINE AND SANSOME. Construct roof house.
Owner—Royal Insurance Co., Prem.
Architect—J. W. Dolliver, Royal Insurance Bldg., San Francisco.
Contractor—Geo. Wagner, 251 Kearny, San Francisco.
COST, \$15,000

ALTERATIONS

(2289) NO. 1703 JACKSON. Alter basement for flat and garage.
Owner—C. M. Aldana, Premises.

Architect—Paul F. De Martini, 2123 Powell, San Francisco.
Contractor—P. De Martini, 2869 Octavia, San Francisco.
COST, \$2600

FRAME DWELLINGS

(2290) W FORTY-EIGHTH AVE 300, 354, 408, 462 and 516 S Balboa. Five one-story and basement frame dwlgs
Owner—Geo. F. Barnett, 516 O'Farrell, San Francisco.
Architect—Ida F. McCain, 318 Kearny, San Francisco.
Contractor—Andrew Jackson, 516 O'Farrell, San Francisco.
COST, \$3000 each

COTTAGE

(2291) W NINETEENTH AVE 225 S Santiago S 25xW 120. All work for One-story and basement cottage.
Owner—N. Dolan.
Architect—None.
Contractor—T. L. Sharman, 1440 Shafter Ave., San Francisco.
Filed Oct. 20, '19. Dated Oct. 17, '19.
Frame completed \$875
Brown coated 875
Completed and accepted 875
Usual 35 days 875
TOTAL COST, \$3500

Bond, \$1750. Sureties, Leon J. Hermitte and Alfred Bothe. Limit, 75 days. Forfeit, none. Plans and specifications filed.

FRAME DWELLING

(2292) E TWENTY-FOURTH AVE 300 N Balboa N 25xE 120 O L 306. All work for one-story six-room and basement frame dwelling.
Owner—Simon Fraser.
Architect—None.
Contractor—Theodore G. and Rollin E. Meyer, 2628 Anza, San Francisco.
Filed Oct. 20, '19. Dated —.
Frame up \$1075
Brown coated 1075
Completed and accepted 1075
Usual 35 days 1075
TOTAL COST, \$4300
Bond, none. Limit, 90 days. Forfeit, Plans and specifications, none.

FRAME FLATS

(2293) S LAKE 45 W 25th Ave. Two-story and basement frame (4) flats.
Owner—Chas. A. Johnson, 47-A Landers, San Francisco.
Architect—C. O. Clausen, Hearst Bldg., San Francisco.
Day's work. COST, \$8000

STOR.

(2294) SE MEACHAM PLACE AND Post. One-story concrete store.
Owner—Arthur F. Rousseau, 110 Sutter, San Francisco.
Architect—Rousseau & Rousseau, 110 Sutter, San Francisco.
Day's work and Sub-Contracts.
COST, \$12,990

ALTERATIONS

(2295) NE MISSION & EIGHTEENTH Alter store.

Owner—W. A. Halsted, 1122 Sutter, San Francisco.
Architect—August Nordin, Mills Bldg., San Francisco.
Day's work. COST, \$1400

SALESROOM

(2296) S JACKSON 140 W Van Ness Ave. One-story brick salesroom.
Owner—Macdonald & Kahn, 907 Rialto Bldg., San Francisco.
Architect—Macdonald & Kahn, 907 Rialto Bldg., San Francisco.
Day's work. COST, \$15,000

FRAME DWELLING

(2297) W TWENTY-SIXTH AVE 250 S Taraval. One-story and basement frame dwelling.
Owner—Edw. A. Johnson, 2546 22nd Ave., San Francisco.
Architect—L. E. Peyser, 2447 26th Ave., San Francisco.
Day's work. COST, \$4500

FRAME FLATS

(2298) E SIXTEENTH 175 S Cabrillo. Two-story and basement frame (2) flats.
Owner—Costello Bros., 1567 Alabama, San Francisco.
Architect—None.
Day's work. COST, \$4000

ALTERATIONS

(2299) NO. 53 SIXTH. Lay dance floor and install fire exits.
Lessee—Eddie Marron, 2258 Bush St., San Francisco.
Architect—None.
Day's work. COST, \$2000

GARAGE

(2300) SE SANTA MONICA & SAN Lorenzo Way. One-story frame garage.
Owner—S. P. Leighton, 38 3rd, S. F.
Architect—H. H. Gutterson, 278 Post San Francisco.
Contractor—John Morton, 180 Jessie, San Francisco.
COST, \$1000

ALTERATIONS

(2301) NO. 2301 LAGUNA. Cut in windows and erect trellis.
Owner—Mary Ives Crocker, Premises.
Architect—Nathaniel Blaisdell, 255 California, San Francisco.
Contractor—W. C. Duncan & Co., Sharon Bldg., San Francisco.
COST, \$850

ADDITION

(2302) NO. 185 ELLSWORTH. Add 2 rooms and porch to dwelling.
Owner—Joseph Terranova, Premises.
Architect—None.
Day's work. COST, \$500

ALTERATIONS

(2303) NO. 445 BROADWAY. Alter store front.
Owner—Garibaldi Hall Association, 441 Broadway, San Francisco.
Architect—Paul F. De Martini, 2123 Powell, San Francisco.
Day's work. COST, \$500

ALTERATIONS

(2304) SE CLAYTON AND PAGE.
Alter for two basement garages.
Owner—A. Dohfeld, 754 3rd Ave., S. F.
Architect—None.
Contractor—G. E. Ahl, 1237 2nd Ave.,
San Francisco.
COST, \$600

ADDITION

(2305) NO. 1675 PAGE. Add private
garage for flats.
Owner—A. Dohfeld, 754 3rd Ave., S. F.
Architect—None.
Contractor—G. E. Ahl, 1237 2nd Ave.,
San Francisco.
COST, \$400

ALTERATIONS

(2306) NO. 6 KEARNY. Alter vesti-
bule.
Owner—M. H. De Young, Chronicle
Bldg., San Francisco.
Architect—None.
Contractor—Daniel O'Neill, 273 Minna,
San Francisco.
COST, \$500

ALTERATIONS

(2307) NW PACIFIC AND STOCKTON.
Erect show cases and shelves.
Owner—R. C. Monte, 1529 Mason, S. F.
Architect—None.
Contractor—W. O. Purdy, 2045 Divisa-
dero, San Francisco.
COST, \$600

BUNGALOW

(2308) W PLYMOUTH AVE DISANCE
16,638 from NE Cor. Lot 13 Blk 3177,
Westwood Park N 80 deg 43 min 17
sec W 96.438 N 35.823 S 82 deg. 28
min. 52 sec. E 97.919 S 32.454 Ptn
Lots 11, 12 and 13 Blk 3177, West-
wood Park. All work for one-story
bungalow and garage.
Owner—Hans Nelson, 30 Northwood
Drive, San Francisco.
Architect—Chas. F. Strothoff, 2276 15th
St., San Francisco.
Contractor—Nelson Bros., 30 North-
wood Drive, San Francisco.
Filed Oct. 21, '19. Dated Sept. 29, '19.
Enclosed \$1500
Brown coated 1500
Completed and accepted 1500
Usual 35 days 1500
TOTAL COST, \$6000
Bond, \$3000. Sureties, Chas. Monson &
Edw. T. Peterson. Limit, 90 days. For-
feit, none. Plans and specifications
filed.

ALTERATIONS

(2309) NOS. 358-374 PINE. All work
for enlarging room on roof of build-
ing.
Owner—Sophronia T. Hooper, 1300
Jones, San Francisco.
Engineer—M. C. Couchot, 110 Sutter,
San Francisco.
Contractor—D. W. Ross, 418 Frederick
San Francisco.
Filed Oct. 21, '19. Dated Oct. 17, '19.
On completion 75%
Usual 35 days 25%
TOTAL COST, \$978
Bond, limit, forfeit, none. Plans and
specifications filed.

DWELLING

(2310) W TWENTY-SECOND AVE 25
S Anza 25x57-6. All work for two-
story frame residence.
Owner—G. Moeller, 24th Ave. and Cle-
ment, San Francisco.
Architect—None.

Contractor—David Leigh, 840 44th
Ave., San Francisco.
Filed Oct. 22, '19. Dated Oct. 10, '19.
Frame up and roof on \$1175
Brown coated 1175
Completed and accepted 1175
Usual 35 days 1175
TOTAL COST, \$4700
Bond, none. Limit, 90 days after Oct.
1. Forfeit, plans and specifications,
none.

DWELLING

(2311) W TWENTY-EIGHTH AVE 140
N Anza. One-story and basement
frame dwelling.
Owner—U. S. Simonds, 251 27th Ave.,
San Francisco.
Architect—E. E. Young, 251 Kearny,
San Francisco.
Day's work. COST, \$4000

DWELLING

(2312) S GEARY 70 E Fifth Ave.
One-story and basement frame dwlg.
Owner—Isaac E. Norris, 154 Ellis St.,
San Francisco.
Architect—None.
Contractor—Greater City Lumber Co.,
312-B Mission, San Francisco.
COST, \$3000

DWELLING

(2313) S LOMBARD 137-6 E Brod-
erick. One-story and basement
frame dwelling.
Owner—Mrs. D. Barbagalata, 1288
Green, San Francisco.
Architect—Gustave Stahlberg, 407
Flatiron Bldg., San Francisco.
Day's work. COST, \$3000

GARAGE

(2314) NE LARKIN AND UNION.
One-story frame private garage.
Owner—S. Paganini, 1427 Grant Ave.,
San Francisco.
Architect—None.
Contractor—California Carpenter Shop
Co., 400 Columbia Ave., S. F.
COST, \$500

ALTERATIONS

(2315) NW VALLEJO & STOCKTON.
Alter store front.
Owner—D. J. Guinasso, San Jose.
Architect—J. A. Porporato, 619 Wash-
ington, San Francisco.
Contractor—S. Montani & Co., 1753
Greenwich, San Francisco.
COST, \$1000

ALTERATIONS

(2316) NO. 1473 FORTY-FOURTH AV.
Raise dwelling and add 2 rooms and
bath.
Owner—E. J. F. Philipps, Premises.
Architect—None.
Day's work. COST, \$700

STOREROOM

(2317) E GUERRERO 175 N 19th.
One-story frame storeroom.
Owner—C. P. Heining, 687 Guerrero,
San Francisco.
Architect—None.
Contractor—Patrick McDonald, 1049
Treat Ave., San Francisco.
COST, \$450

REPAIRS

(2318) NO. 2412 FILLMORE. Repair
fire damage to dwelling.
Owner—L. O. Nestor, 2701 California,
San Francisco.
Architect—None.

Contractor—Bovyer & Sons, 2407 Cal-
ifornia, San Francisco.
COST, \$400

ALTERATIONS

(2319) NO. 731 WASHINGTON. Con-
crete floor and alter for restaurant.
Owner—Kim Glim Low, Premises.
Architect—None.
Contractor—W. J. Stevens 110 Jessie,
San Francisco.
COST, \$3000

CARPENTER WORK, ETC.

(2320) N O'FARRELL 82-6 E Powell
E 55xN 137-6. Carpenter work,
plastering and compo, etc., for three
story and basement brick and steel
frame building.
Owner—San Francisco Catering Co.
Architect—Ward & Blohme, 454 Cal-
ifornia, San Francisco.
Contractor—McLeran & Peterson,
Sharon Bldg., San Francisco.
Filed Oct. 22, '19. Dated Oct. 2, '19.
Mill work, etc., completed and
ready for installation \$2500
Completed and accepted 1963
30 days after 1487
TOTAL COST, \$5950
Bond, none. Limit, as fast as possible.
Forfeit, none. Plans and specifications
filed.

FRAME RESIDENCE

(2321) SE TWENTY-SECOND AVE &
Anza 25x57-6. All work for two-
story frame residence.
Owner—Gustave Moeller, 24th Ave and
Clement, San Francisco.
Architect—None.
Contractor—David Leigh, 840 44th Ave.,
San Francisco.

Filed Oct. 22, '19. Dated Oct. 10, '19.
Frame up and roof on \$1250
Brown coated 1250
Completed and accepted 1250
Usual 35 days 1250
TOTAL COST, \$5000
Bond, none. Limit, 90 days after Oct.
1. Forfeit, plans and specifications,
none.

FRAME RESIDENCE

(2322) E TWENTY-SECOND AVE 50
S Anza 25x57-6. All work for two-
story frame residence.
Owner—Frederick Hueiter, 751 47th
Ave., San Francisco.
Architect—None.
Contractor—David Leigh, 840 44th Ave.,
San Francisco.

Filed Oct. 22, '19. Dated Oct. 10, '19.
Frame up \$1175
Brown coated 1175
Completed and accepted 1175
Usual 35 days 1175
TOTAL COST, \$4700
Bond, none. Limit, 90 days after Oct.
1. Forfeit, plans and specifications,
none.

FRAME RESIDENCE

(2323) LOT 1 BLK 3197, Westwood
Park. All work for one-story frame
residence.
Owner—Herman C. Baumann, 251
Kearny, San Francisco.
Architect—Owner.
Contractor—Robert G. Black, 40 Wood-
land Ave., San Francisco.
Filed Oct. 22, '19. Dated Oct. 16, '19.
Enclosed \$1500
Brown coated 1500
Completed and accepted 1500
Usual 35 days 1500
TOTAL COST, \$6000

Bond, \$3000. Sureties, E. A. Janssen and Jno. J. Mullins. Limit, 90 days. Forfeit, none. Plans and specifications filed.

APARTMENTS

(2324) W MASON 107 N Bush. Five-story concrete (24) apartments. Owner—V. Fassio, 407 New Call Bldg., San Francisco.

Architect—None.

Day's work and Sub-Contracts.

COST, \$40,000

ADDITION

(2325) NO. 1021 CALIFORNIA. Add 2 stories and pent house to residence. Owner—Herbert Edward Law, Monadnock Bldg., San Francisco.

Architect—Geo. A. Schastey.

Day's work and Sub-Contracts.

COST, \$8000

FRAME DWELLINGS

(2326) E TWENTY-SECOND AVE 225 and 250 N Balboa. Two one-story and basement frame residences.

Owner—T. E. Mohler, 255 8th Ave., San Francisco.

Architect—None.

Day's work.

COST, \$3600 each

FRAME DWELLING

(2327) E VICTORIA 50 S Ocean Ave. Two-story and basement frame dwlg. Owner—Urban Realty Improvement Co., 85 Cerritos Ave., San Francisco.

Architect—C. E. Gottschalk, 958 Phelan Bldg., San Francisco.

Contractor—W. C. Duncan, 205 Sharon Bldg., San Francisco.

COST, \$9000

FRAME DWELLING

(2328) E SEVENTEENTH AVE 250 S Anza. Two-story and basement frame dwelling.

Owner—W. Fisher, Care Architect.

Architect—C. O. Clausen, Hearst Bldg., San Francisco.

Day's work and Sub-Contracts.

COST, \$6000

ALTERATIONS

(2329) NO. 4075 SEVENTEENTH. Alter for private garage.

Owner—Chas. A. Carillon, Premises.

Architect—None.

Day's work.

COST, \$500

ROOF COVERING

(2330) N INDIANA 50 E 18th. Temporary roof covering for steel bars.

Owner—Kyle & Co., 646 Call Bldg., San Francisco.

Architect—None.

Day's work.

COST, \$1000

WAREHOUSE

(2331) N TOWNSEND 80 E Clarence Place. One-story Class "B" warehouse, 60x250.

Owner—L. A. Norris, 138 Townsend, San Francisco.

Architect—H. C. Baumann, 251 Kearny, San Francisco.

Contractor—Clinton Constr. Co., 140 Townsend, San Francisco.

COST, \$40,000

STORES

(2332) S POST 210 E Larkin. One-story and basement brick stores.

Owner—Jackson R. Myers, Cr. Architect.

Architect—Earle B. Bertz, 68 Post St., San Francisco.

Day's work and Sub-Contracts.

COST, \$25,000

ALTERATIONS

(2333) NO. 2346 MISSION. Alter and changes for store.

Owner—O'Reilly Cloak & Suit Co., 2041 Mission, San Francisco.

Architect—H. C. Baumann, 251 Kearny, San Francisco.

Contractor—C. H. Bessett, 343 29th Ave., San Francisco

COST, \$3750

ALTERATIONS

(2334) NW FILLMORE & O'FARRELL. Alter for offices on 2nd floor.

Owner—Imperial Realty Co., Cr. Architect.

Architect—G. A. Lansburgh, 709 Mission, San Francisco.

Contractor—Barrett & Hilp, Sharon Bldg., San Francisco.

COST, \$1000

SIDEWALK LIGHTS

(2335) SE FOURTH AND HOWARD. Install sidewalk lights.

Owner—Mrs. A. N. Farrell, 2415 Octavia, San Francisco.

Architect—None.

Contractor—Phoenix Sidewalk Light Co., Monadnock Bldg., S. F.

COST, \$500

ALTERATIONS

(2336) E CHURCH 80 S Day. Raise and alter dwelling.

Owner—Frank McSheehy, 4168 24th, San Francisco.

Architect—None.

Day's work.

COST, \$475

ALTERATIONS

(2337) NO. 353 COLUMBUS AVE. Alter front.

Owner—Unti & Perasso, 349 Columbus Ave., San Francisco.

Architect—None.

Contractor—California Carpenter Shop Co., 400 Columbus Ave., S. F.

COST, \$600

ALTERATIONS

(2338) NE LARKIN AND MARKET. Erect wooden partitions.

Architect—Hotaling Estate, Merchants' Exchange Bldg., San Francisco.

Architect—None.

Day's work.

COST, \$500

ALTERATIONS

(2339) NO. 393 SUTTER. Erect partitions of metal lath and plaster.

Owner—B. Shirdman, 291 Sutter, S. F.

Architect—None.

Contractor—Cameron & Disston, Hearst Bldg., San Francisco.

COST, \$400

EXCAVATING, ETC.

(2340) LOT SW GOUGH AND SUTTER 200x137-6. All work of excavating and grading.

Owner—York Realty Co.

Architect—W. L. Schmolle.

Contractor—Carlin Grading Co., 110 Jessie, San Francisco.

Filed Oct. 24, '19. Dated Oct. 24, '19. On every Friday on basis of \$1.25

per cubic yard 75%

TOTAL COST, \$6500

Bond, Sureties, none. Forfeit, \$30. Limit, 40 days. No plans or specifications filed.

CONCRETE WORK

(2341) N BUSH 137-6 W Taylor, W

82-6xN 137-6. Concrete work for retaining wall and extending wall on north end of building.

Owner—Paulina Schoenberg, Merchants Exchange Bldg., S. F.

Architect—Mel I. Schwartz, Nevada Bank Bldg., San Francisco.

Contractor—Barrett & Hilp, Sharon Bldg., San Francisco.

Filed Oct. 24, '19. Dated Oct. 20, '19. Retaining wall and footings

poured \$1200

Completed and accepted 945

Usual 35 days 720

TOTAL COST, \$2865

Bond, \$1433. Sureties Albert Lachman. Forfeit, none. Limit, 60 days. Plans and specifications filed.

DWELLINGS

(2342) N GEARY 35-4 and 60-4 W 28th Ave. Two two-story and basement frame dwellings.

Owner—A. J. Falvey, 124 Clayton St., San Francisco.

Architect—None.

Day's work.

COST, \$6000 each

RESIDENCE

(2343) N GREEN 98-6 W Pierce. Two story and basement frame residence.

Owner—H. C. Keenan, 300 Webster, San Francisco.

Architect—None.

Day's work.

COST, \$7000

STEEL FRAME

(2344) NO. 730 MONTGOMERY. Steel frame, 10x20 and concrete foundation for steam boiler.

Owner—A. P. Hotaling & Co., 429 Jackson, San Francisco.

Architect—None.

Contractor—Central Iron Works, 2050 Bryant, San Francisco.

COST, \$500

BRICK STORES

(2345) N BUSH 137-6 W Taylor. One-story and basement brick stores.

Owner—Paulina Schoenberg, Merchants' Exchange Bldg., S. F.

Architect—Mel I. Schwartz, Nevada Bank Bldg., San Francisco.

Day's work and Sub-Contracts.

COST \$20,000

FRAME DWELLINGS

(2346) LOCATION NOT GIVEN. All work for four one-story frame dwellings and garages.

Owner—Jas. J. Donnelly, Mt. Vernon & Mission, San Francisco.

Architect—A. W. Smith, 1010 Broadway, Oakland.

Contractor—Henry Ahnefeld, 522 Anderson, San Francisco.

Filed Oct. 25, '19. Dated Oct. 23, '19. Frames up (each).....\$800

Plastering completed (each).... 800

Completed and accepted (each).... 800

Usual 35 days (each)..... 800

TOTAL COST, \$12,800

Bond, none. Limit, 90 days. Forfeit, plans and specifications, none.

COMPLETION NOTICES.

San Francisco County

Oct. 18, 1919—W TWENTY-NINTH Ave 250 N Vicente N 25xW 120. Sarah S Hagan to Wilson & Belbeani.....Oct. 12, 1919
Oct. 18, 1919—NO. 101 WALNUT SW Cor Jackson. P H Polhemus to Emil Hogberg.....Oct. 11, 1919
Oct. 20, 1919—LOT 24 BLK 3164. Westwood Park. Wm L Hall to

FRAME DWELLING

(3291) RICARDO & ARROYO AVES., Piedmont. Two-story frame dwelling and garage.
Owner—Thos. P. Hogan.
Architect—None.
Contractor—M. E. Hopper & Son, 90 Glen Ave., Oakland.

COST, \$4800

FRAME DWELLING

(3292) THE OAKS, Piedmont. One and one-half-story frame dwelling.
Owner—C. W. Glantz, 2640 Farriett St., Oakland.
Architect—None.
Day's work.

COST, \$3500

FRAME DWELLING

(3293) GRAND AVE., Piedmont. Two story frame dwelling.
Owner—Mrs. W. T. Brooks.
Architect—None.
Day's work.

COST, \$4500

DWELLING

(3294) N FORTY-SECOND 90 W Market, Oakland. One-story 5-room dwelling.
Owner—Loul Magini, 4127 Market St., Oakland.
Architect—None.
Contractor—D. Raineri, 4125 Market St., Oakland.

COST, \$3425

ALTERATIONS

(3295) NOS. 367-369 EIGHTH, Oakland. Alterations.
Owner—Sam Kee, 827 Webster, Okd.
Architect—None.
Day's work.

COST, \$400

SHED

(3296) NO. 477 ROSE, Oakland. Shed
Owner—A. John.
Architect—None.
Contractor—Solomon Morris, 1509 Harrison, Oakland.

COST, \$500

GARAGE

(3297) NO. 895 WILLOW, Oakland.
Owner—J. Bamadi, Premises.
Architect—None.
Contractor—Edwin C. Graff, 1926 Broadway, Oakland

COST, \$400

RADIATORS

(3298) NO. 2532 SIXTH, Berkeley. All work for 21 No. 6 and 1 No. 4 Radiator radiators.
Owner—Johnson-Libby Co, 1433 Franklin St., Oakland.

Architect—None.
Contractor—Western Electric Co., Inc., 12th and Harrison, Oakland.
Filed Oct. 22, '19. Dated Oct. 21, '19.
Completed and accepted 50%
60 days 50%

TOTAL COST, \$1271

Bond, Sureties, Forfeit, none. Limit, Oct. 28. No plans or specifications filed.

PAINTING

(3299) S OREGON bet. Grant and McGee Ave. All work of painting for alteration to Edison School,
Owner—The Board of Education of the City of Berkeley and Berkeley School District in the County of Alameda, State of California.
Architect—W. H. Ratcliff, Jr., First

National Bank Bldg., Berkeley.
Contractor—D. Zellinsky & Sons, Inc., 422 Turk St., San Francisco.
Filed Oct. 22, '19. Dated Sept. 25th, '19.
First Saturday after 1st Tuesday
each month 75%
Usual 35 days 25%

TOTAL COST, \$1720

Bonds, \$430 and \$860. Sureties, Fidelity and Deposit Co. Forfeit, none. Limit, 30 days. No plans or specifications filed.

DWELLING

(3300) W THIRTY-EIGHTH 400 S Carrington, Oakland. One and one-half-story 6-room dwelling.
Owner—J. B. Petersen, 4022 Auga Vista Oakland.

Architect—None.
Day's work.

COST, \$3000

DWELLING

(3301) N SUTER 205 W High, Oakland. One-story 5-room dwelling.
Owner—Waterfront Sash & Door Co., 2nd and Alice, Oakland.

Architect—None.
Contractor—I. S. Tuttle, Oakland.

COST, \$2950

DWELLING

(3302) NW 107TH AVE & BIGGERMAN, Oakland. One-story 5-room dwelling.
Owner—E. H. Wittorf, 975 107th Ave., Elmhurst.
Architect—None.
Day's work.

COST, \$2000

DWELLING

(3303) N JOHN 52 E Montgomery, Oakland. One-story 5-room dwelling.
Owner—Torree Chittenden, 311 N-2nd St., San Jose.
Architect—None.
Contractor—Howard Nethken, 3651 39th Ave., Oakland.

COST, \$2950

DWELLING

(3304) W FRUITVALE AVE 1000 N Hopkins, Oakland. One-story 5-room dwelling.
Owner—C. M. Dean, 2025 Damuth, Okd.
Architect—None.
Day's work.

COST, \$2400

ALTERATIONS

(3305) SE FORTIETH AND RUBY, Oakland. Alterations.
Owner—J. Bognet, Premises.
Architect—None.
Contractor—Jos. R. Bond, 3568 Douglass, Oakland.

COST, \$800

DWELLING

(3306) E MAPLE AVE 50 N Florida, Oakland. One-story 3-room dwlg.
Owner—Ida Pate, 1412 9th Ave., Okd.
Architect—None.
Contractor—H. L. Valleroy, 3636 Maple Ave., Oakland.

COST, \$400

REPAIRS

(3307) SW TENTH AND FRANKLIN, Oakland. Roof repairs.
Owner—Oakland Bank of Savings.
Architect—None.
Contractor—Western Roofing Co., 438 15th, Oakland.

COST, \$450

DWELLING

(3308) E CALIFORNIA 150 N Chan-

ning Way, Berkeley. One-story 6-room dwelling.
Owner—Chas. Tammi, 1806 Derby, Bkly.
Architect—None.
Day's work.

COST, \$2500

DWELLING

(3309) NO. 1009 OXFORD, Berkeley. One-story 6-room dwelling.
Owner—E. T. Henessey, Premises.
Architect—None.
Contractor—H. P. Sheridan, 2815 Grove, Berkeley.

COST, \$450

DWELLING

(3310) SIXTH 130 N Lincoln Ave., Alameda. One-story 6-room dwelling.
Owner—C. A. Arents, 4430 Walnut St., Oakland.
Architect—None.
Contractor—Oakley & Korndin, 1911 45th Ave., Oakland.

COST, \$2950

DWELLING

(3311) NINTH bet. Pacific and Buena Vista, Alameda. One-story 4-room dwelling.
Owner—L. E. Jones, 722 Lincoln Ave., Alameda.
Architect—None.
Day's work.

COST, \$1300

ALTERATIONS

(3312) NO. 705 GRAND, Alameda. All work except heating for alterations and additions to two-story dwelling.
Owner—Wm. L. Weinmann, Alameda.
Architect—Hamilton Murdock, Syndicate Bldg., Oakland.
Contractor—H. M. Frostholt, 5311 Lawton Ave., Oakland.
Filed Oct. 21, '19. Dated Oct. 21, '19.
Frame up and roof on 1/4
Plastered 1/4
Completed and accepted 1/4
Usual 35 days 1/4

TOTAL COST, \$1690

Bond, none. Limit, 60 days. Forfeit, none. Plans and specifications filed.

DWELLING

(3313) W PARK BLVD. 55 S Cleveland, Oakland. One-story 6-room dwelling.
Owner—R. P. Edgecombe, 2333 Waverly, Oakland.
Architect—None.
Day's work.

COST, \$3500

DWELLING

(3314) SW PARK BLVD. & CLEVELAND AVE., Oakland. One-story six-room dwelling.
Owner—R. P. Edgecombe, 2333 Waverly, Oakland.
Architect—None.
Day's work.

COST, \$3500

WAREHOUSE

(3315) W EIGHTY-FIFTH AVE — S Western Pacific Railway, Oakland. One-story frame warehouse.
Owner—United Canneries of California, Oakland.
Architect—None.
Contractor—Sam Joes, 2462 Valdez St., Oakland.

COST, \$1825

ADDITION

(3316) NO. 149 MONTE CRESTA AVE., Oakland. Two-story addition.
Owner—M. E. Wright, Premises.
Architect—None.

Contractor—E. S. Thompson & Son, 3656 Broadway, Oakland.

COST, \$1000

RESHINGLE

(3317) NO. 1616 PERALTA, Oakland. Reshingle.

Owner—Roman Catholic Church, Prem. Architect—None.

Contractor—J. O. Arnett, 2535 Filbert, Oakland.

COST, \$1700

FRAME BUILDING

(3318) NO. 224 SAN CARLOS AVE., Piedmont. One-story frame building.

Owner—E. H. Thompson.

Architect—None.

Contractor—O. J. Wollitz, 1650 82nd Ave., Oakland.

COST, \$800

ADDITION

(3319) FIFTH AND GRAYSON, Berkeley. Add to laboratory.

Owner—West Coast Kalsomine Co., Premises.

Architect—None.

Day's work.

COST, \$2000

OIL STATION

(3320) NE HOPKINS AND ALAMEDA Berkeley. Oil station.

Owner—Standard Oil Company.

Architect—None.

Contractor—A. Wollitz, 1209 Bancroft Way, Berkeley.

COST, \$1000

ADDITION

(3321) SECOND AND BRISTOL, Berkeley. Addition.

Owner—Pacific Guano Fertilizing Co., Premises.

Architect—None.

Contractor—H. C. Kidder, 2075 Addison, Berkeley.

COST, \$1000

REPAIRS

(3322) UPLANDS AND EL CAMINO, Berkeley. Repairs.

Owner—Dr. Chas. Dukes.

Architect—None.

Contractor—J. F. Shrader, 520 16th St., Oakland.

COST, \$2850

LIBRARY

(3323) N E-FOURTEENTH 50 E 89th Ave., Oakland. One-story 3-room library.

Owner—Mrs. N. Wilson, 89th Ave., Okd. Architect—None.

Contractor—John R. Faulkes, 9821 E-14th, Oakland.

COST, \$4500

APARTMENTS

(3324) SW SEVENTH AVE AND E-18th, Oakland. Two-story 12-room apartments.

Owner—Frank O. Johnston, 1534 Franklin, Oakland.

Architect—None.

Contractor—California Builders Co., 1534 Franklin, Oakland.

COST, \$7900

(3325) W PIEDMONT AVE 162 S Mather, Oakland. One-story brick garage.

Owner—D. J. Dwyer, 404 Washington Ave., Oakland.

Architect—None.

Contractor—W. A. Savage, 346 23d Ave., San Francisco.

COST, \$11,000

GARAGE

(3326) NO. 1729 PLEASANT VALLEY Ave., Oakland. Garage.

Owner—E. S. Shatuck, Premises.

Architect—None.

Day's work.

COST, \$800

ADDITION

(3327) NO. 1421 EIGHTEENTH, Oakland. Addition.

Owner—G. Ratto, Premises.

Architect—None.

Day's work.

COST, \$500

ADDITION

(3328) NO. 664 FORTY-FIRST, Oakland. Addition.

Owner—Roman Catholic Archbishop of San Francisco.

Architect—None.

Contractor—J. J. Powers, 774 20th, Okd.

COST, \$700

OFFICE

(3329) NW SIXTH AND CLAY, Oakland. One-story brick office.

Owner—Wm. J. Kelly, 1812 Clinton Ave., Alameda.

Architect—None.

Contractor—Peter Johnson, 1111 Alice, Oakland.

COST, \$400

ALTERATIONS

(3330) NO. 651 SANTA RAY AVE., Oakland. Alterations.

Owner—C. L. Gilson, Premises.

Architect—None.

Contractor—Jas. H. Pedgriff, 565 16th St., Oakland.

COST, \$400

COMPLETION NOTICES.

Alameda County.

Recorded

Oct. 22, 1919—LOT 5 BLK 10 Mathews Tract being No. 1214 Carlton St., Bkly. J P Gallagher to whom it may concern. Oct. 10, 1919
Oct. 22, 1919—SE TWENTY-EIGHTH Ave 458 NE E-17th NE 35 SE 125.03 SW 27.8 NW 125, Okd. Sarah Sinclair to R L Hart. Oct. 22, 1919
Oct. 21, 1919—LOT 11 BLK 1, Northbrae, Berkeley. H F Hiller to whom it may concern. Oct. 15, 1919
Oct. 21, 1919—LOT 23 Lake Shore Park Heights Tract, Okd. Henry W Haler to whom it may concern. October 20, 1919
Oct. 20, 1919—W WOOD 67-8 N Ninth N 67-6xW 142-6, Okd. John Trebotich to D W Ross. Sept. 27, 1919
Oct. 18, 1919—ADDN TO PRESENT Plant, Okd. Premier Machine Co to Harry C Knight. Oct. 16, 1919

Accepted

FACTORY

NO. 1618 "R" ST., Sacramento. One-story factory.

Owner—R. Carstensen, 500 K St., Sacramento.

Architect—None.

Contractor—J. C. Boss, 914 27th St., Sacramento.

COST, \$47,500

FRAME RESIDENCE

NO. 315 TWENTY-NINTH ST., Sacramento. One-story frame residence.

Owner—Jos. Fuski, 519 ½ K St., Sacramento.

Architect—None.

Contractor—O. W. Harrison, North Sacramento St., Sacramento.

COST, \$4350

FRAME DWELLING

NO. 256 TWENTY-SEVENTH ST., Sacramento. One-story 5-room frame dwelling.

Owner—W. P. Cippa, 314 21st St., Sacramento.

Architect—None.

Day's work.

COST \$3200

REPAIRS

NO. 710 K ST., Sacramento. Repair balcony and stairs in store.

Owner—China Toggery, Premises.

Architect—None.

Contractor—Herndon & Finnegan, Sacramento.

COST, \$1200

BUILDING CONTRACTS.

Sacramento County.

BAKE OVEN

NO. 1011 "K" ST., Sacramento. Install bake oven.

Owner—Sutter Candy Co., Premises.

Architect—None.

Contractor—P. Metz.

COST, \$1000

ALTERATIONS

NO. 1701 "I" ST., Sacramento. Remodel interior of sleeping porch of residence.

Owner—Mrs. K. Meister, 1705 "I" St., Sacramento.

Architect—None.

GARAGE
NO. 300 L ST., Sacramento. Garage.
Owner—F. J. Silvey, 222 V St., Sacramento.

Architect—None.
Day's work. COST, \$2000

FRAME RESIDENCE
NO. 3935 "M" ST., Sacramento. Six-room frame residence.
Owner—Wright & Kimbrough, 817 "J" St., Sacramento.
Architect—None.
Contractor—J. A. Saunders, 2810 "J" St., Sacramento.
COST, \$5000

ALTERATIONS
NO. 800½ "K" ST., Sacramento. Remodel residence.
Owner—Ruhstaller Estate, 12th Cor. "H" St., Sacramento.
Architect—None.
Day's work. COST, \$2000

COMPLETION NOTICES.

Sacramento County.

Recorded Accepted
Oct. 17, 1919—SACRAMENTO. Service Station). Associated Oil Co to A. Florence, Oct. 12, 1919
Oct. 20, 1919—W 54½ LOT 2, J. K. 3rd and 4th Sts., Sacramento. Harvey Rasmussen to Clinton Construction Co. Oct. 11, 1919

BUILDING CONTRACTS.

Fresno County.

STORE BUILDING
LOTS 22 TO 25 BLK 74, Fresno. Store building.
Owner—J. C. Cooper, 2030 Mariposa St., Fresno.
Architect—None.
Contractor—A. Allen, 310 San Pablo St., Fresno.
COST, \$18,000

ALTERATIONS
LOTS 11 AND 12 BLK 71, Fresno. Alterations to building.
Owner—Brix Estate, 2311 Fresno St., Fresno.
Architect—None.
Contractor—A. Allen, 310 San Pablo, Fresno.
COST, \$12,000

DWELLINGS
LOTS 1 TO 4 BLK 2, Bartlett Heights, Fresno. Two frame dwellings and garages.
Owner—G. A. Turner, 1827 Mariposa St., Fresno.
Architect—None.
Contractor—C. V. Smith, Fresno.
COST, \$3000 each

FRAME DWELLING
LOT 12 BLK 5, Cedar Park, Fresno. Frame dwelling.
Owner—H. Foster, 906 "I" St., Fresno.
Architect—None.
Contractor—W. H. Russell, Fresno.
COST, \$1880

FRAME DWELLING
PALM VILLA TRACT, Fresno. Frame dwelling and garage.
Owner—B. A. Dorland, 480 Abby St., Fresno.
Architect—None.
Contractor—E. L. Rambo, 496 San Pablo, Fresno.
COST, \$5000

DWELLINGS
LOTS 17 AND 18 and part Lot 19 Blk 1, Mt. Hood Addition, Fresno. Two frame dwellings and garages.
Owner—J. T. Carpenter, Fresno.
Architect—None.
Day's work. COST, \$3000 each

FRAME DWELLING
LOTS 25 AND 26 BLK 11, Arlington Heights, Fresno. Frame dwelling and garage.
Owner—G. W. Wilkinson, Fresno.
Architect—None.
Day's work. COST, \$3000

FRAME DWELLING
LOTS 31 AND 32 BLK 4, College Addition, Fresno. Frame dwelling and garage.
Owner—J. G. Porter, 940 Cambridge St., Fresno.
Architect—None.
Day's work. COST, \$9000

ADDITION
LOTS 15 AND 16 BLK 343, Fresno. Addition to building.
Owner—Lisle & Ross, 1360 Van Ness, Fresno.
Architect—None.
Contractor—J. R. Church, 221 North "U" St., Fresno.
COST, \$2500

ALTERATIONS
NO. 760 "T" ST., Fresno. Remodel garage.
Owner—Grant Estate, Fresno.
Architect—None.
Contractor—M. C. R. Nelson, 1247 "I" St., Fresno.
COST, \$1000

FINISH BUILDING
NO. 627 CALLISCH ST., Fresno. Finish building.
Owner—Geo. A. Moore, 631 Callisch St., Fresno.
Architect—None.
Day's work. COST, \$1000

ALTERATIONS
LOTS 17 AND 18 BLK 74, Fresno. Alter front of Armory Stables.
Owner—Frank Helm, 1820 Tuolumne St., Fresno.
Architect—None.
Contractor—J. R. Church, 221 N-U St., Fresno.
COST, \$2700

ADDITION
NOS. 821-825 "I" ST., Fresno. Addition to building.
Owner—H. C. McKay, 1495 N-Van Ness, Fresno.
Architect—None.
Contractor—A. Allen, 310 San Pablo, Fresno.
COST, \$4500

FRAME DWELLING
ALTA VISTA TRACT LOT 14 BLK 31, Fresno. Frame dwelling and garage.
Owner—David Bruner, 435 Clark St., Fresno.
Architect—None.
Contractor—C. V. Smith, Fresno.
COST, \$3600

FRAME DWELLINGS
LOTS 7 AND 8 BLK 101; Lots 7 and 8 Blk 102; Lots 23 and 24 Blk 89; Lots 5 and 6 Blk 88; Lots 31 and 32 Blk 87 and Lots 7 and 8 Blk 86, Fairmont, Fresno. Six frame dwellings.

Owner—K. B. Heights Co.
Architect—None.
Contractor—C. E. Buckmaster, 1712 Lewis St., Fresno.
COST, \$2500 each

FRAME APARTMENTS
LOTS 28 AND 29 BLK 3, Orchard Hill Addition, Fresno. Frame apartments.
Owner—Geo. D. Herrold, 2941 Illinois St., Fresno.
Architect—None.
Day's work. COST, \$12,000

FRAME DWELLING
ALTA VISTA TRACT Lot "B" Blk 12, Fresno. Frame dwelling.
Owner—T. H. Curry, Alexandria Apts., Fresno.
Architect—None.
Contractor—H. Dickey, 150 Howard St., Fresno.
COST, \$7000

FRAME DWELLING
LOTS 7 AND 8 BLK 9, Central Addn., Fresno. Frame dwelling.
Owner—R. E. Smith, 109 College St., Fresno.
Architect—None.
Day's work. COST, \$3500

FRAME DWELLING
LOTS 9 TO 12 BLK 4, Alhambra Tract, Fresno. Two frame dwellings and garages.
Owner—Mosgrove & Pettet, Fresno.
Architect—None.
Day's work. COST, \$6500 and \$5000

ADDITION
NO. 3423 WASHINGTON AVE., Fresno. Addition.
Owner—D. M. Benton, Premises.
Architect—None.
Day's work. COST, \$3000

DWELLING
LOTS 5 AND 6 BLK 2, Palm Villa Tct., Fresno. Frame dwelling and garage.
Owner—Fresno Home Builders, 1231 "I" St., Fresno.
Architect—None.
Contractor—F. J. Story, Fresno.
COST, \$5000

FRAME DWELLING
LOTS 15 AND 16 BLK 5, Yosemite Addition, Fresno. Frame dwelling.
Owner—Mrs. Mary Rossez, 647 "F" St., Fresno.
Architect—None.
Contractor—J. L. Daly, 702 G. McK. Bldg., Fresno.
COST, \$4200

DWELLING
LOT 4 BLK 24, Alta Vista Tct, Fresno. Frame dwelling and garage.
Owner—A. W. Gordon, 3833 Verrue St., Fresno.
Architect—None.
Day's work. COST, \$3700

FRAME DWELLINGS
LOTS 21, 22, 5, 6, 9, 10, 17, 18 BLK 66; Lots 3, 4, 7, 8, 11, 12 Blk 69 and Lots 1, 2, 9 and 10 Blk 67 K. B. Heights, Fresno. Nine frame dwellings and garages.
Owner—Fresno Bldg. Cptn., Fresno.
Architect—None.
Day's work. COST, \$2900 each

WAREHOUSE
NO. 1228 TULARE ST., Fresno. Warehouse.

Owner—S. Nil, Fresno.
Architect—None.
Day's work.

COST, \$1000

FRAME DWELLING

LOTS 4 AND 5 BLK 16, Arlington Heights, Fresno. Frame dwelling.
Owner—D. M. Benton, Fresno.
Architect—None.
Day's work.

COST, \$2000

FRAME DWELLING

LOTS 3, 4, AND 5 BLK 8, North Park Terrace, Fresno. Frame dwelling and garage.
Owner—H. S. Statton, Fresno.
Architect—None.
Contractor—Chess & Peterson, Fresno.

COST, \$9800

FRAME DWELLING

LOTS 36 AND 37 Acacia Park, Fresno. Frame dwelling.
Owner—F. E. Siddlemeyer, Fresno.
Architect—None.
Contractor—L. M. Smith, Fresno.

COST, \$2500

DWELLING

LOT 5 BLK 27, Alta Vista Tct, Fresno. Frame dwelling and garage.
Owner—Jas. Dorsey, 1908 Lewis St., Fresno.
Architect—None.
Contractor—L. L. Howard, Fresno.

COST, \$3000

DWELLINGS

LOT 10 BLK 15, Hazelwood and Lot 10 Blk 9, Alta Vista Tct, Fresno. Two frame dwellings.
Owner—Reese & Atkins, 3643 Platt St., Fresno.
Architect—None.
Day's work.

COST, \$3500 each

COMPLETION NOTICES.

Fresno County.

Recorded
Oct. 7, 1919—LOT 30 Norris Col. in Section 2, 15-21, Fresno. Misak Meterian to whom it may concern. Sept. 7, 1919
Oct. 16, 1919—N 106 FEET LOTS 22, 23 Blk 1, Fortcamp Addition No. 2, Fresno. P T Ryan to whom it may concern. Oct. 1, 1919
Oct. 16, 1919—LOTS 47 AND 48 Sohm Second Addition, Fresno. Harry F. Holist to whom it may concern. Oct. 8, 1919
Oct. 21, 1919—NEAR BOTTON AND Tehama Aves, Fresno. Pacific Gas & Electric Co to whom it may concern. Oct. 15, 1919
Oct. 21, 1919—LOT 1 and W 15 feet Lot 2 Blk 1, Yosemite Park Addition, Manteca. Roscoe N Gray to whom it may concern. Oct. 10, 1919
Oct. 22, 1919—LOTS 23 AND 24 BLK 26, Reedley. Otis H Smith to whom it may concern. Sept. 30, 1919

BUILDING CONTRACTS.

San Joaquin County.

GARAGE

N HUNTER bet. Rose and Vine Sts., Stockton. One-story concrete block public garage.
Owner—Mary Hefferman, Stockton.
Architect—None.
Contractor—Thornton & Fermo, Stockton.

COST, \$3400

WAREHOUSE

W-WEBSTER AVE., Stockton. Warehouse.

Owner—Grivin Warehouse Co., Stockton.
Architect—None.
Day's work.

COST, \$4500

ALTERATIONS

EL DORADO AND NORTH STS., Stockton. Remodel.
Owner—Fred Rindge, Farmers & Merchants Bank Bldg., Stockton.
Architect—None.
Day's work.

COST, \$2000

REMODEL

W MAGNOLIA ST., bet. Center and Commerce Sts., Stockton. Remodel.
Owner—Mary Meincke, Stockton.
Architect—None.
Day's work.

COST, \$1200

COMPLETION NOTICES.

San Joaquin County.

Recorded
Oct. 18, 1919—LOT 18 BLK 10, West Lodi. Hugh J Bolinger to Snyder & McNeil. Oct. 15, 1919

COMPLETION NOTICES.

Santa Clara County.

Recorded
Oct. 21, 1919—LOS GATOS. Elizabeth J Knight to A M Jensen. Oct. 15, 1919
Oct. 22, 1919—PALO ALTO. John Duffield to whom it may concern (2 Completion Notices). Oct. 21, 1919
Oct. 22, 1919—HESTER PARK. San Jose. A K Burkett to whom it may concern. Oct. 21, 1919

LIENS FILED.

Santa Clara County.

Recorded
Oct. 8, 1919—FOURTH AND JULIAN Sts., San Jose. Fred A Middleham vs R M H White. \$1025
Oct. 21, 1919—FOURTH AND JULIAN Sts., San Jose. Mangrum & Otter Co., Inc. vs E M H White. \$575

SONOMA COUNTY RECOMMENDED AS LOCATION FOR THREE MILLION DOLLAR MOOSEHEART PROJECT.

The Santa Rosa Republican in its issue of October 17th, says:

"That the Asti Colony has been favorably mentioned by the Mooseheart conference in the East as a possible location for the new home that the organization is to build in the West, is the information Secretary Vaughn of the Chamber of Commerce received from San Francisco officials of the Moose Friday, and at that time was informed that the local site was highly regarded by them and later he was informed that the offer of the Asti site had been set aside at the Eastern conference as one of the most favorable received.

"The advent of the Mooseheart to Sonoma county would be one of the largest strokes of fortune that the county could receive, as it would mean the expenditure of approximately \$2,000,000 in this county, the construction of a number of buildings, the populating of a vast area, to say nothing of the advertising that would result from the institution.

"The Chamber of Commerce is handling the business relative to the establishment of the Mooseheart here, and an option on the Asti site is being retained by the Chamber pending a decision of the Eastern conference of Moose."

WAGES INCREASE 263 PER CENT IN GERMANY.

BERLIN.—The average daily wage of men has increased 241 per cent and of women 263 per cent since 1914, according to the Imperial Workers' Gazette. The greatest increase was in the electrical industry.

FINANCIAL SITUATION IN AUSTRIA IS BAD.

VIENNA.—For the fiscal year ending October 1 the Government spent about 8,441,000,000 crowns, while its total income was 3,444,000,000. The deficit has virtually been met by printing money, with the result that the crown today is selling for 1 cent American money. Its normal value was about 20 cents.

STATE BANK GAINS.

The State banks of California, according to a statement issued by the State Banking Department of condition of September 12, had total resources of \$1,191,943,682, comparing with \$1,132,110,034 on the previous call of June 30, a gain of \$59,813,648. Individual deposits amounted to \$1,004,142,169, comparing with \$947,333,420 on June 30, a gain of \$56,808,789.

CLEARING HOUSE REPORTS FROM CALIFORNIA CITIES.

Bank clearings as reported to California Development Board by the several clearing-house cities for last week showing the amount of increase on corresponding date last year.

	Increase
San Francisco.....	\$160,700,920 \$41,258,251
Los Angeles.....	50,582,000 18,070,000
Oakland.....	9,539,831 1,985,874
Sacramento.....	6,501,012 1,714,117
San Diego.....	2,736,663 138,039
Fresno.....	6,785,209 3,295,554
Stockton.....	2,656,855 566,587
San Jose.....	7,104,814 5,989,199
Pasadena.....	1,678,774 762,622
Long Beach.....	2,131,014 1,104,098
Berkeley.....	2,334,000

HOUSE BUILDING PLAN FOR LOS ANGELES.

One Result of Agitation by the League of Rent Payers.

LOS ANGELES, Cal.—Establishment of a revolving fund by the city to be used in financing house building projects is under consideration by the city council.

It results from agitation by the Los Angeles Rent Payers League which claims rent profiteering in Los Angeles is rampant.

Under the proposed plan a charter amendment would be necessary to permit the city to appropriate a sum of money to be used in building houses which would be sold to citizens on the installment plan at a low rate of interest and on long term payments.

"This is being done in England, Australia and New Zealand with success," declares W. C. Steele, president of the rent payers' organization.

ARCHITECT APPOINTED.

SACRAMENTO, Cal.—Governor Stephens has named W. J. Dodd of Los Angeles to succeed F. L. Roehrig as representative of the Southern District upon the State Board of Architecture.

WASHINGTON STATE HIGHWAY COMMISSION AWARDS CONTRACTS

OLYMPIA, Wash.—Following contracts have been awarded by the Washington State Highway Commission:

Grading ten miles of the Inland Empire highway, between Wallula and Pasco, to W. J. Smith & Co., Ritzville, for \$72,614. The engineer's estimate was \$81,337.

For grading two miles of the Chelan-Okanogan highway, between Chelan and Chelan Falls. The contract was let to Rojette, Forbert & Winters, of Spokane, for \$78,535. Estimate, \$82,761.

Grading state road No. 4, one and one-half miles south of Keller. Awarded to Root & Joselyn, of Spokane, for \$21,490. Estimate, \$24,055.

For constructing the Nesika bridge over the Cowlitz river on state road No. 5. The contract was awarded to the Union Bridge Co., of Seattle, for \$38,149. Estimate, \$37,225.

Grading and surfacing ten miles of the Inland Empire highway, between Dodge and Central ferry. Awarded to the General Constr. Co., of Seattle, for \$184,002. Estimate, \$195,587.

For grading six miles of the Inland Empire highway, between Delaney and Dayton, to G. L. Stickler, Asotin, for \$95,184. Estimate, \$103,758.

PRESIDENT WOODROW WILSON SAYS:

We are face to face with a situation which is more likely to affect the happiness and prosperity, and even the life, of our people than the war itself. We have now got to do nothing less than bring our industries and our labor back to a normal basis after the greatest upheaval known to history, and the winter just ahead of us may bring suffering infinitely greater than the war brought upon us if we blunder or fail in the process. An admirable spirit of self-sacrifice, of patriotic devotion, and of community action guided and inspired us while the fighting was on. We shall need all these now, and need them in a heightened degree, if we are to accomplish the first tasks of peace. They are more difficult than the tasks of war, more complex, less easily understood, and require more intelligence, patience and sobriety. We mobilized our man power for the fighting; let us now mobilize our brain power and our consciences for the reconstruction. If we fail, it will mean national disaster. The primary step is to increase production and facilitate

transportation, so as to make up for the destruction wrought by the war, the terrible scarcities it created, and as soon as possible to relieve our people of the cruel burden of high prices. Only by keeping the cost of production on its present level, by increasing production and by rigid economy and saving on the part of the people can we hope for large decreases in the burdensome cost of living which now weighs us down.

AMERICANS IN FRANCE UNDERBID BY GERMANS.

German manufacturers of Machinery are underbidding American firms in France to a very large extent in offerings for business, according to A. I. Findley, editor of the "Iron Age," who returned recently from a trip abroad.

Findley said he had been abroad making an investigation of business conditions and the prospects of rebuilding war-damaged industries. Germany is already in the market and offerings as low as one-half of that made by Americans have been made by machinery manufacturers, he added. In reconstruction progress Belgium is far ahead of France, he said.

Supporters of Wm. S. Scott's candidacy for Supervisor paid the Senator a flattering and impressive compliment last Saturday evening when 200 automobiles, draped with the national colors and Scott banners, paraded through every section of the city in the interests of Scott's campaign. Scott was called upon to address several impromptu meetings and was received with the same enthusiastic cordiality that has marked his previous campaigns. In the election betting, even money is still offered that Scott finishes among the first four successful candidates for Supervisors.

Wm. Martin, 180 Jessie street, has been awarded the contract for alterations to the Class "C" building at 336 Second street to be occupied by the U. S. Rubber Company. The work will cost in the neighborhood of \$50,000. Plans for the work were prepared by Mr. Bristow of the company.

Architect H. H. Winner, Humboldt Bank Bldg., is taking figures for extensive interior alterations to the Anglo California Trust Company building at the northeast corner of Market and Sansome streets. There will be a considerable amount of bronze, marble and cabinet work. The estimated cost is \$45,000.

Architect W. H. Weeks, 75 Post St., is taking figures for a one-story brick

bank to be erected for the First National Bank of Woodland at Knights Landing, Yolo County.

Architect H. W. Smith, 1010 Broadway, Oakland, has awarded a contract to Henry Ahnefeld, 522 Anderson St., Oakland, for the erection of four one-story and basement frame residences to be erected in the south line of Niagara street west of Mission, for Jas. J. Donnelly. The buildings will cost \$12,800.

Bids are being received by the Bureau of Yards and Docks, Navy Department, Washington, D. C., for the erection of a brick radial chimney at the Mare Island Navy Yard. The structure will be 150 feet high and will have an inside diameter of 10 feet. Bids close November 5th, 11 A. M. Plans may be had from the Commandant at Mare Island.

Architect Walter King, Call Bldg., has awarded a contract to Totten & Trewthitt of Stockton for a three-story and basement brick hotel and store building to be erected at El Dorado and Lafayette streets for L. Cassinelli in Stockton. The building will contain sixty rooms and seven stores, covering an area of 65 by 80 feet. The contract price is \$45,000.

Architect C. O. Clausen, Hearst Bldg., has awarded a contract to J. G. Kincannon for alterations to the auto building at the east line of Hyde street north of Turk for Mrs. F. L. Perigo. The work will cost \$3,000.

TEHAMA COUNTY SUPERVISORS OPEN BRIDGE BIDS.

RED BLUFF, Tehama Co., Cal.—Following bids were received by the County Supervisors, H. G. Kuhn, County Clerk, for the construction of bridges:

Capay Bridges (3 structures) Near the

Fordwell & Zimmerman (1) \$5,084;
(2) \$3,510; (3) \$3,510. Total, \$12,104.
Awarded contract.

Ont Creek Bridge.
Hart Construction Co., \$3,998
R. B. McKenzie, 5,000
Ross Construction Co., 4,980
Contract awarded to Hart Constr. Co.

Dry Creek Bridge.
C. E. McCartney, \$4,981
Bid rejected to call new bids.

Cold Fork Bridge.
Ross Construction Co., \$4,980
C. E. McCartney, 4,400
Bids rejected, new bids to be called.

Hooker Creek Bridge.
C. E. McCartney, \$4,981
Awarded contract.

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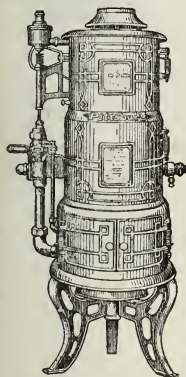
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San Francisco, Cal., November 5, 1919

Published Every Wednesday
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American Association of Engineers

NEWS FROM NATIONAL HEAD-QUARTERS.

The Board of Estimate of New York City on October 14 held the first public meeting on the tentative budget for the coming year. The Board considered the report presented to it by the New York Chapter of the American Association of Engineers and listened to R. L. B. Smith, assistant secretary of A. E., who spoke in behalf of the professional engineers. There was no representative of the Union of Technical Men present. The members of the Board displayed an entire lack of appreciation of the difference between a technically-trained man and one who is no engineering training. Some members of the Board were under the impression that anybody could satisfactorily fill the position of assistant, while none of them knew at men without considerable technical training could not pass a civil service examination for the position of assistant at \$80 per month. Alderman Kennelly, chairman of the special committee of the Board of Aldermen to investigate salary increases, spoke in behalf of all city employees. Alderman Kennelly advocated increases of 10% on salaries less than \$2,000 and 15% on those over \$2,000. The Board of Estimate leans toward a 20% increase for those receiving under \$1200 per annum, a 15% increase for employees receiving from \$1200 to \$1900, and a 10% increase for those receiving from \$1900 to \$2600.

The Cleveland Chapter of the American Association of Engineers has given up temporarily, at least, the plan of having speakers from outside of the organization speak at regular meetings. It has been found by experience that such speakers could bring out only 10 or 15 per cent of the membership, while if some member of the chapter speaks on a subject which is of first-hand importance, the attendance is as large as 50 or 70 per cent.

The latter plan has been tried out on some time and its success indicates that it is founded on the proper principle. Members of local engineering organizations would rather talk themselves about something of vital interest, than to listen to speakers of reputation giving a lengthy speech on some subject of less importance. The plan that is now followed is to appoint a certain member to talk for a few minutes on a selected subject which is of immediate interest to such men as

make up the majority of the chapter membership. After this introductory talk, the subject is thrown open for general discussion with a view of getting the opinion of the chapter and taking positive action of some sort.

George L. Taylor, member A. A. E., has been appointed chief engineer of the Public Service Commission of West Virginia. The Commission has jurisdiction over many large gas producing companies and other utilities of a total value of approximately \$320,000,000.

The Service Department of the American Association of Engineers is now placing about 35 to 40 members a week. Only 10 per cent of these engineers are out of work when they accept a new position, so that 9 engineers out of 10 are not looking for work but better positions. About 400 or 450 applications are on hand at all times, and there are often as many as 75 or 100 positions available. There has been one call for a \$15,000 man and one for a \$10,000 man within the last two weeks, and calls for three \$8,000 men within the last month or so.

Both the Chicago and the Pittsburgh Chapters of the American Association of Engineers are making a special effort this month to enroll electrical engineers.

The Chattanooga Chapter of A. A. E. is offering its members courses in night work in reinforced concrete, physics, chemistry, Spanish, English, salesmanship and other subjects. Additional courses will be added as a demand for them develops. The tuition is free, but members enrolling are required to deposit a registration fee of \$2.50 for each two courses, which is refunded upon completion of the work. The year's program is divided into two terms of twelve weeks each, the first commencing on October 14th.

The following officers have been elected by the Utah Chapter of the American Association of Engineers, which has headquarters in Salt Lake City: W. A. Richmond, President; W. A. Alexander, First Vice-President; C. S. Fisher, Second Vice-President; Joseph Kenderfer, Secretary; and Eugene Bush, Treasurer.

As an outcome of the resolution adopted at the last annual convention of the American Association of Engineers to the effect that every member

secure five new members during the year 1919. There has been aroused among many members keen competition in obtaining applications for membership. The greatest number of applications credited to any one member is 102½. This engineer, F. K. Bennett, principal assistant engineer, Minneapolis & St. Louis Railroad, Minneapolis, has stood in first place for several months. Six members who stand next highest in the application campaign are: H. L. Hopper, St. Louis; Professor E. J. McCaustland, University of Missouri; George Grimm, Jr., St. Louis; C. A. Jerome, F. D. Richards and T. J. Brennan of Cleveland. Eighteen members of the Association have obtained from twenty to forty applications, and fifty-six from ten to twenty applications.

The chairman of the national membership committee is R. W. Barnes, principal assistant engineer of the Southern Pacific Railway at Portland, Oregon. Mr. Barnes in a recent statement to the members of the Association urged a strong effort on the part of every member to increase the number of members as much as possible during this year. Plans are on foot to develop the membership by an intensive campaign early in December.

The American Association of Engineers received 902 applications for membership from the 1st to the 23rd of October. If this rate is maintained during the entire month of October the applications received will be in the neighborhood of 1200. The Qualifications Committee is struggling with the large number of applications on hand and managed to approve the admission of about 700 members in the first three weeks of October.

The Washington Chapter of the American Association of Engineers is rendering considerable service to the Keating Commission on joint reclassification of salaries, which was appointed by the last Congress to investigate salaries of Federal employees within the District of Columbia. The compensation committee of the Washington Chapter, of which L. L. Sherman, president of the United States Housing Corporation, is chairman, recently mailed out a questionnaire to all Federal engineer employees within the District. Results of this questionnaire are being tabulated and the information obtained is expected to be of great assistance to the Commission. Several members of the Washington Chapter have been appointed on the advisory

sory committee to the Keating Commission. The Engineering Council is co-operating with A. A. E. in appointing engineers to this advisory committee.

The following three Senators and three Representatives are members of this Commission: A. A. Jones, C. B. Henderson, S. P. Spencer, C. W. Hamlin, H. A. Cooper, Edward Keating. The Commission has a staff of about 100 persons. The reclassified work is being done by Arthur Young & Company, and the director of the salary investigation is Mr. W. A. Mosier, Professor of Economics, New York City.

Members of the advisory committee are selected from three groups: Namely, public employees and administrative officers. The engineering committee has twenty-four members. The sub-committee on the report of salaries consists of J. L. Harrison, Capt. R. M. Copeland, and R. C. Bailey. The committee has offered its services both individually and collectively for all further work which the Commission desires.

The Commission has about 106,000 Government employees to reclassify, and of these it estimates that about 2,500 are engineers. This does not include chemists or research men. The Commission must make its report to Congress on or before the second Monday in January, 1920.

Evidence of the far-reaching influence which is now being exerted by the American Association of Engineers is furnished by the receipt of a letter from Rattilab B. Shah, proprietor of a bank and commission firm in Bombay, India, called, Engineer & Company, requesting that he be listed as a member of the Association. Mr. Shah advises that when he received a copy of *The Monad*, published by the Association, it made such an appeal to him that he is not only desirous of becoming a member, but that he is willing to place his service at the disposal of the Association and to use his influence in organizing a branch of the Association in Bombay.

San Francisco, Oct. 21, 1919.

Mr. George M. Nelson, C. E.,
403 Wells-Fargo Express Bldg.,
San Francisco, Cal.

Dear Sir: I am sending you herewith three copies of a paper I have written on the subject of "Compensation for Engineers." I would like to have you furnish copies to the other two members of the Committee on Compensation, and, after a sufficient time had elapsed to permit them to peruse and form opinions, it is suggested that the committee be called together to formulate some basis for presentation to the local chapter for endorsement. After a basis has been established and endorsed by the local chapter, it would seem advisable to forward resolutions to the National Association and endeavor to get some plan adopted by all the chapters so that united work can be done along the proper lines.

I am sending one copy to the National Association Secretary for such use as he may decide to make of it.

Yours truly,

V. D. COUSINS.

Telephone Engineer.

622 Sheldon Bldg.,
San Francisco, Cal.

COMPENSATION FOR ENGINEERS.

An engineer is one who utilizes his brain in the practical application of scientific principles for the benefit of mankind. His brain conceives improvements, designs the structures, supervises the construction and operation for the sole purpose of "making life more pleasant for humanity." His reward is a clear conscience and a feeling of satisfaction that follows the successful completion of the project he has conceived and consummated. Society accepts the products of the engineer's brain as a gift and assures him that it feels no greater responsibility toward him than it does toward any other individual, and that like everyone else he must look after himself in all matters pertaining to his economic life.

Now engineers are peculiar people. They consider their reward has been received when their work has met with approval. No real engineer compares his financial compensation with the benefits derived by society from the product of his brain. He notes the high cost of living only after he discovers that his bank balance is diminishing rather than increasing. When he has reached the point in life when he must decide whether or not his son should take up engineering he will strike a balance, compare the financial condition of his family with that of other families and advise his son of the results. It is difficult to induce young men to take up a career that has mental satisfaction as its principal reward. Society cannot afford to have the sons of engineers enter other lines of endeavor because the value of heredity to an engineer is great. The sons of engineers should in the majority of cases be better equipped to study and apply engineering principles than the sons of other professional men. Society must increase the reward to engineers if it wishes the engineers to induce young men to enter the engineering profession.

What can society do to return a greater part of the product of the engineers' brains to the families of the engineers? Society can compensate the engineer financially to a greater degree than it has in the past. It can recognize and express greater public approval of his work. It can cease regarding him as merely a high grade mechanic or a supervisor of mechanics. It can reserve for his use the title of engineer and not apply it to everyone who operates a steam engine.

Just how much financial compensation an engineer should receive is a difficult matter to decide. The engineer does not know nor does he seem to care very much. His family needs more to meet the continued increase in the cost of living, but he is not qualified to present a claim for greater compensation to society. Thanks to some of the engineers who have organized the American Association of Engineers, a body is now in existence which will try to present a logical basis of compensation for engineers to society. If society rejects this basis it must submit a counter proposition and eventually it is hoped to arrive at the answer.

Industry, it has been said, rests today upon a tripod consisting of Capital, Labor and Brains. Each is absolutely essential and all are equally

important. Unless properly nourished one of these legs will shrivel and force the other two to shorten in order to prevent the overtopping of industry. In Russia, we have the best example of the result of efforts to make industry rest on two legs, Capital and Labor. In this example, it happens that Capital is being made to change hands from private owners to the state and in the painful process no distinction has been made between the inert thing called "Capital," and the alert owner of the capital or highly trained executives and engineers, with the result that the brains of the industry have been discarded along with the transfer of capital to the state. Only after the tripod began to topple over did the Bolsheviks discover the value of the third leg, and efforts have since been made to separate the brains from the capital and retain the former in the various industrial enterprises. In Russia it happens that brains usually have the capital, or it may be said that only the rich could acquire an education sufficient to develop the brains required to conduct an industry. In our country brains are not the monopoly of capital and accordingly, it is easier to separate them from capital in our discussions. The question is then presented, "What proportion of the cost of production should be allotted to each of the legs of the tripod in order to make them self-sustaining." In order that no misunderstanding will result from the use of the term "brains," it is not the intention to claim that the engineers and executives have a monopoly of this element and that labor has not of it. I am divesting capital of brains because capital is wealth which is separable from the owner who probably has a good equipment of brains which industry must utilize. In the same manner engineers owning capital must consider their capital as apart from their brains in dealing with this problem. Labor includes physical force as well as brains.

To the extent that a laborer uses his brain as a designer, improver, economizer, planner, director, supervisor, and is willing to accept responsible charge of work, he should be credited with the asset called brains. The cost of production apportioned strictly to labor, therefore, is that portion paid to one who merely uses physical force guided by the five senses, and, of course, all labor will be credited with a portion of the cost allotted to the tripod leg called brains.

Capital is a timid, vacillating, unstable member of the tripod. It rushes into industries where the rate of return is highest, providing the security is ample. It deserts those industries, sometimes at a great loss, when the returns are inadequate or the security becomes doubtful. It leaves the country when especially inviting offers are made to it by other nations. A restraining influence toward this tendency is exercised by the desire of the owners of capital to keep it at home where it is under closer observation, and where it can be better directed by the brains of the owner; incidentally obtaining the use of his brain in connection with his capital, which is a desirable combination. We need in our complex modern life a proper division of capital among the industries in sufficient amount to provide the

(Continued on page 23)

ADVANCE NEWS

Official Proposals, Etc.

BUILDING.

APARTMENT HOUSES

Contract Awarded.
APARTMENTS, ETC. Cost, \$10,000
SAN FRANCISCO. 15th and Shotwell
 Move and alter three-story frame
 building into 4 4-room apartments
 and store.
 Owner—W. R. Ballinger, 86 New
 Montgomery St., San Francisco.
 Architects—O'Brien Bros., 240 Mont-
 gomery St., San Francisco.
 Contractor—Emil Nelson, 39 Delmar
 St., San Francisco.

Revising Plans. Ready For Figures
Tuesday.

APARTMENTS. Cost, \$45,000
SAN FRANCISCO. SE O'Farrell and
 Octavia Streets.
 Three-story and basement brick
 apartments (18 2-room apts).
 Owner—Withheld.
 Architects—O'Brien Bros., 240 Mont-
 gomery St., San Francisco.

Plans are being changed for brick
 construction instead of frame.

Plans Being Figured.
APARTMENTS. Cost, \$16,000
SAUSALITO, Marin Co., Cal. Water
 Street.
 Frame bungalow court, 8 one-story
 2-room and sun porch apartments
 built around a court.
 Owner—Withheld.

Architects—O'Brien Bros., 240 Mont-
 gomery St., San Francisco.
 Figures are being taken for a gen-
 eral contract.

Excavation Started. To Take Segre-
 gated Figures.

APARTMENTS. Cost, \$45,000
SAN FRANCISCO. S Pine Street 60 W
 Stockton Street.
 Three-story and basement frame apart-
 ments, 50x90 (54 rooms; 24 2 and
 3-room apts.)

Owner—Anna Hladik.
 Architect—J. C. Hladik, Monadnock
 Bldg., San Francisco.
 Work will be done by days labor and
 sub-contracts.

Plans Being Prepared.
STORES & APARTMENTS
 Cost, \$35,000.

MODESTO, Stanislaus Co., Cal. Tenth
 Street.

Three-story fireproof stores and (34)
 apartments, 50x140.

Owner—Geo. Kounias, 828 10th St., Mo-
 desto.
 Architect—Not Given.

Sketches Being Prepared.
APARTMENTS. Cost, \$—

FRESNO, Fresno Co., Cal.
 Three two-story frame apartment
 houses.

Owner—John Manning, 924½ "J" St.,
 Fresno.

Architects—Weeks & Day, Phelan Bldg
 San Francisco.

Mr. Manning is a general contractor
 and will do the work by days labor and
 sub-contracts.

Plans Being Prepared.
APARTMENTS. Cost, \$50,000
FRESNO, Fresno Co., Cal. Divisadero
 and College Streets.
 Hollow tile apartment house, 135x75
 (20 2-room apts).
 Owner—Mrs. Adelaide Jones.
 Architects—Coates & Traver, Rowell
 Bldg., Fresno.

Plans Being Prepared.
APARTMENTS. Cost, \$30,000
SAN FRANCISCO. Lake Street.
 Three-story and basement frame
 apartment house, 32 rooms (9 3
 and 4-room apts).
 Owner—Withheld.
 Architect—A. M. Hardy, 212 8th Ave.,
 San Francisco.

Mr. Hardy will be pleased to receive
 catalogues and information on heating
 systems, wall beds, exterior plastering and
 all other modern apartment con-
 veniences.

Plans Being Prepared.
ALTERATIONS. Cost, \$18,000
SAN FRANCISCO. McAllister Street
 near Buchanan.
 Alter three-story frame flats into 9 2
 and 3-room apartments.
 Owner—Withheld.
 Architect—O. E. Evans, 2569 Mission
 St., San Francisco.

Plans Being Prepared.
ALTERATIONS. Cost, \$15,000
SAN FRANCISCO. Fell and Webster.
 Alter two-story frame residence into 8
 flats of 4 rooms each.
 Owner—Withheld.
 Architect—O. E. Evans, 2569 Mission
 St., San Francisco.

BANKS

SHAFTER, Kern Co., Cal.—A build-
 ing, 35x60 feet, will be erected in
 Shafter for a new bank now being or-
 ganized to be operated in connection
 with the First National Bank of Bak-
 ersfield, according to W. E. Benz of
 the Bakersfield Bank.

Contract Awarded.
ALTERATIONS. Cost, \$50,000
 approximately.
SAN FRANCISCO. No. 336 Second St.
 Extensive alterations to Class "C"
 buildings.
 Owner—U. S. Rubber Co., Premises.
 Architect—Mr. Bristoe of the U. S.
 Rubber Company.
 Contractor—Wm. Mart'n, 180 Jessie
 St., San Francisco.

Plans Being Figured.
CHURCH. Cost, \$50,000
FRESNO, Fresno Co. Cal.
 Three-story and basement reinforced
 concrete church.
 Owner—Japanese Buddhist Church, 835
 "E" St., Fresno.
 Architects—W. C. Hays and T. Kura-

haski, Associated, First National
 Bank Bldg., San Francisco.

SPOKANE, Wash.—Petitions have
 been presented to the Spokane County
 Commissioners asking the calling of
 an election to decide the question of
 issuing bonds of \$100,000 with which
 to finance construction of a county
 juvenile detention home.

Plans Being Prepared.
ALTERATIONS. Cost, \$—
SAN FRANCISCO. S Market bet. 3rd
 and 4th Streets.
 Alterations and extension to banking
 quarters (bronze, marble work,
 new elevator, etc.)
 Owner—Humboldt Bank.
 Architect—Smith O'Brien, Bankers' In-
 vestment Bldg., San Francisco.

BONDS.

SAN FERNANDO, Los Angeles Co.,
Cal.—An election will be called soon
 to vote on issuing \$165,000 bonds to
 provide for the purchase of the pres-
 ent water supply system in San Fer-
 nando and reconstructing it and in-
 creasing the water supply. About \$40,-
 000 will be required to purchase the
 present plant and about \$125,000 will
 be spent on improvements. It is pro-
 posed to sink new wells, construct a
 reservoir and reconstruct the distrib-
 uting system. A. L. Sonderegger, Cen-
 tral Bldg., Los Angeles, is the consult-
 ing engineer.

SAN RAFAEL, Marin Co., Cal.—The
 matter of constructing a modern high
 school building in this city is planned.
 Meetings are to be held weekly urging
 the calling of a bond election to finance
 Pratt Inman is a member of the San
 construction of the proposed building.
 Rafael Board of Education.

HUNTINGTON BEACH, Orange Co.,
Cal.—The \$40,000 bond issue for a mun-
 icipal gas plant was sold to The Lum-
 berman's Trust Co. of Portland, Ore., at
 \$2560 premium. Olmsted & Gillelen and
 J. M. Berkeley, associated, Hollings-
 worth Bldg., Los Angeles, are the en-
 gineers for the gas plant improvements.

LIVE OAK, Sutter Co., Cal.—Steps
 are being taken here for the formation
 of a union high school district. After
 formation it is planned to call an elec-
 tion to vote bonds to finance con-
 struction of a high school building.

The plan is being backed by the
 local Chamber of Commerce.

SCHOOL BONDS.

SANTA BARBARA, Cal.—The Board
 of Education has decided to call an
 election to vote on issuing \$475,000
 bonds to build four new grade school
 buildings, replacing the present Frank-
 lin, Lincoln, Wilson and Riviera
 schools, and to build two kindergarten
 buildings. The new grade schools will
 each contain eight class rooms and an
 assembly hall.

MARTINEZ, Contra Costa Co., Cal.—Plans are being considered by the school trustees for the erection of a new school house in the Highlands district in the San Ramon Valley.

COALINGA, Fresno Co., Cal.—An election will be held in the Claremont School District November 15th, to decide the question of issuing and selling bonds with which to finance the construction of school improvements. Trustees of the District are: A. C. Leslie, W. H. Boyce and J. E. Power.

LEWISTON, Idaho.—Bonds of \$400,000 have been voted by the Pierce County citizens to finance construction of bridge and road improvements. The \$400,000 will be augmented by \$200,000 from the state, and \$600,000 by the federal government, thus securing to the county a fund of \$1,200,000 for imperatively needed road improvement and bridge building.

HILLSBOROUGH, San Mateo Co., Cal.—The City Trustees have instructed Chairman H. W. Poett of the Police and Fire Committee to secure data for the calling of a bond election to secure funds for the purchase of a booster fire pump engine and the installation of a Gamewell fire alarm system.

TRACY, San Joaquin Co., Cal.—November 21st is the date set by the City Trustees to vote bonds of \$34,500 for the purpose of purchasing school lots, for building or purchasing one or more school buildings or making alterations or additions to any school building or buildings or for repairing or restoring any school building, and for supplying school buildings with furniture or necessary apparatus.

An architect has not been selected.

OROVILLE, Butte Co., Cal.—The Committee of Twenty-One has completed a revised program for the bond of Butte County and will submit a report to the County Supervisors at the next meeting.

It is planned to call an election to vote bonds of \$1,800,000 with which to build a permanent highway system. Martin C. Polk is County Engineer.

POMONA, Los Angeles Co., Cal.—The City Attorney has been instructed to draft an ordinance for an election to vote on issuing bonds to improve about 12 miles of city streets, estimated to cost \$200,000. C. E. Bayley, City Engineer. The principal work will be to complete the paving on San Antonio avenue.

PETALUMA, Sonoma Co., Cal.—November 13th is the date set by the City Trustees for voting \$80,000 with which to finance the improvement of Main and Third streets.

VALLEJO, Solano Co., Cal.—Bids will be received by City Clerk Alf. E. Edgumbe, up to November 10th, 11 A. M., for the purchase of street improvement bonds issued under the "Improvement Bond Act of 1915," which will finance the improvement of Tennessee street from the east line of Napa Road to a point 200 feet easterly from Monterey street, by excavating and filling the sub-grade of pavement between curbs and including the trenching and filling

for curbs, trimming slopes, construction of Portland cement concrete curbs 14 inches high, top width 6 inches, bottom width 9 inches, from Napa Road to Alameda and from Alameda to Monterey street, construction of vitrified ironstone sewer pipe house laterals, 4 inches in diameter; construction of corrugated galvanized iron culvert, 18 in. in diameter, 50 feet long with concrete jacket and head walls and laying a pavement 32 feet wide between curbs consisting of a bitulastic surface, 1½ inches thick on a 4-inch asphalt concrete base. Further information may be had from the City Clerk.

TRACY, San Joaquin Co., Cal.—Petitions are being circulated throughout the West Side Irrigation District asking the calling of an election to decide the question of issuing bonds of \$150,000 to finance the lining of certain portions of the canal with concrete to prevent excessive seepage and for repairs to the concrete pipe and ditches. The proposed issue has been approved by the State Bonding Commission.

EUREKA, Humboldt Co., Cal.—The auditorium, swimming pool, playground and municipal wood yard propositions failed to carry at a bond election held recently. Each proposition failed to secure the necessary two-thirds majority.

BLYTHER, Riverside Co., Cal.—The \$36,000 bond issue voted to construct a municipal water system for Blythe was sold to Citizens National Bank of Los Angeles at par. Olmsted & Gillelen, Hollingsworth Bldg., Los Angeles, are the Consulting Engineers.

YUMA, Ariz.—An election will be held in the North Gila Valley Irrigation District to vote on issuing \$40,000 for improvements, including the following items: Dragline dredge, \$8000; constructing 21 turnouts, \$2,100; cleaning and repairing 4 miles main canal, \$5720; rebuilding and raising 3 miles of canal banks, \$12,488; building 5 bridges, 1200; drainage canal, \$2250, and 8 miles telephone line, \$1200. O. W. Humphrey, District Secretary.

CHURCHES

Plans Being Figured.
CHURCH Cost, \$30,000
SEATTLE, Wash. Fairmount Avenue and John Street.
Brick and stone church, 50x74.
Owner—Norwegian Free Church.
Architect—John A. Creutzler, Leary Bldg., Seattle, Wash.

Plans Being Prepared.
CHURCH Cost, \$25,000
LOS ANGELES, Cal. NE 12th and New Hampshire Streets.
Frame and stucco church.
Owner—Japanese M. E. Church.
Architect—Arthur G. Lindley, 904 Wright & Callender Bldg., Los Angeles.

Plans Being Figured.
ALTERATIONS Cost, \$45,000
SAN FRANCISCO. NE Market and Sansome Streets.
Extensive interior alterations (bronze marble and cabinet work).

Owner—Anglo California Trust Co. Premises.

Architect—H. H. Winner, Humboldt Bank Bldg., San Francisco.

Plans to be Prepared.
CHURCH Cost, \$80,000
\$12,000 available for construction.

FRESNO, Fresno Co., Cal. Van Ness and Ventura Streets.

Fireproof church building.

Owner—Pilgrim Armenian Congregational Church.

Architect—Not Yet Selected.

The following persons are interested in the erection of the proposed building and have subscribed \$1,000 each:

Karl Emirzian, Benj. H. Janigian, Avedis Nahigian, M. M. Shoshan, G. Googolian, G. M. Kaprielian and B. Parigian.

YUBA CITY, Sutter Co., Cal.—The proposition of enlarging the church building in Barry district is being discussed by the church members and the following committee has been appointed to take up the matter: R. T. Hoon, L. D. Baun, C. P. Carlson and F. Jones.

Plans Being Prepared. Ready for Figures Next Week.

UNDERTAKING PARLOR, ETC.
Cost, \$20,000.

SAN FRANCISCO. W Buchanan St. S Turk.

Two-story frame undertaking parlor and chapel (brick veneer facing).

Owner—Chevra Kadisha.

Architect—S. Heiman, 57 Post St., San Francisco.

COURTHOUSES.

Plans Being Prepared. Grantle Contract Awarded.

MAUSOLEUM Cost, \$125,000

TROPICO, Los Angeles Co., Cal. Forest Lawn Cemetery near Tropic.

Second unit of reinforced concrete, marble and granite mausoleum.

Owner—American Security Co., Hollingsworth Bldg., Los Angeles.

Architect—T. Patterson Ross, 310 California St., San Francisco.

Granite Contractor—McGillivray Stone Co., 634 Townsend St., San Francisco.

The concrete and other work is being done by days labor.

FACTORIES AND WAREHOUSES. COURTHOUSES

Plans Being Prepared.

COFFEE PLANT Cost, \$—

GAUTAMALA.

First unit of coffee plant.

Owner—The American Commerce & Finance Company.

Architects—Glass & Butner, Cory Bldg., Fresno.

The first unit of the group will be 75 by 300 feet ground space. On account of earthquakes the frames and trusses will be of wood. The floor will be of solid mahogany.

The greater part of the lumber and timbers for the building will be shipped from the United States, being cut to size in this country.

Contract Awarded.

STORAGE BLDG. Cost, \$80,000

BRAWLEY, Imperial Co., Cal.

Reinforced concrete storage building.
100x110.

Owner—Imperial Ice & Development Company.
Architect—C. M. Gay & Son, 2650 Santa Fe Ave., Los Angeles.
Contractor—Fred L. Somers, 2650 Santa Fe Ave., Los Angeles.

Contracts Awarded.

ADDITION Cost, \$30,000
SAN FRANCISCO, W Capp Street 100 S Sixteenth Street.

Five-story brick addition, 50x105, to warehouse.

Owner—Lachman Bros., Mission and 16th Sts., San Francisco.

Architect—S. Heiman, 57 Post Street, San Francisco.

Concrete Work to Mission Concrete & Mosaic Company.

Brick Work to H. E. Drake.

Carpentry to John J. Binet.

Mill Work to Reinhart Lumber Co.

Roof to Mallott & Peterson.

(30822) 1st report Oct. 15, 1919.

Completing Plans.

ADDITION Cost, \$—
SAN FRANCISCO. Second and Bryant Streets.

Five-story mill construction with steel tower addition to lithograph plant also a steel and concrete press room building, 80x125 in rear.

Owner—Schmidt Lithograph Co., Prem. Designer and Manager of Construction—Frederick Whitton, 369 Pine St., San Francisco.

Construction will start about the 15th of November at which time figures will be taken.

Contractor Awarded.

FACTORY Cost, \$40,000
PORTLAND, Ore. 20th and Guild Sts.
Two-story and basement brick and concrete factory, 100x150.

Owner—Pettit Feather & Bed Co.

Architect—F. Manson White, Chamber of Commerce Bldg., Portland.

Contractor—Roy O. Powers, Portland, Oregon.

Other contracts awarded as follows:
Coffey Plumbing Co., plumbing; Finnegan & Williams, Inc., heating; Electrical Contract not yet let.

Segregated Figures Being Taken

ADDITION Cost, \$50,000
WOODLAND, Yolo Co., Cal.

Brick and reinforced concrete addition to Sanitarium.

Owner—Woodland Sanitarium.

Architect—W. H. Weeks, 75 Post St., San Francisco.

Plans Being Prepared.

FACTORY BLDG. Cost, \$400,000 to \$500,000.

LOS ANGELES, Cal. NW Figueroa and Eighth Streets.

Six-story reinforced concrete factory building.

Owner—Brownstein-Louis Company.

Architect—John L. Parkinson, 420 Title Insurance Bldg., Los Angeles.

Preliminary plans will be prepared at once but the owners and architect will probably go East to study modern factory buildings before working drawings are prepared.

Contract Awarded.

SERVICE STATION Cost, \$9,329
BERKELEY, Alameda Co., Cal. NW University Ave. and Milvia St.

One-story brick service station.

Owner—D. B. Hunter.

Architect—James W. Plachek, 2014 Shattuck Ave., Berkeley.

Contractor—C. Texdahl, 3035 Harper St., Berkeley.

BAY POINT, Contra Costa Co., Cal.—Work will be started in the near future by the Pacific Alloy & Steel Company on the enlargement of its present plant. Steel for construction is now on the ground. The construction of ten huge furnaces is also planned.

SACRAMENTO, Cal.—The Pacific Auto Railcar Company, a million dollar industry, has completed plans for its factory along the Twelfth street road, just north of Sacramento, and will soon start construction work. The plant will cover eight acres and will provide employment for 400 workers. Railway motor cars and automobile bodies will be manufactured. A. R. Meister and S. D. Rogers are at the head of the company.

FLATS.

Plans Being Figured.

FRAME FLATS Cost, \$—
SAN FRANCISCO, SV Sacramento and Scott Streets.

Two two-story and basement frame flat buildings (3 flats each).

Owner—J. C. Steiner.

Architect—Chas. F. Strothoff, 2276 15th St., San Francisco.

GARAGES

Plans Being Prepared.

GARAGE Cost, \$12,000
PETALUMA, Cal.

One-story reinforced concrete garage.

Owner—Withheld.

Architect—Brainard Jones, Petaluma.

Mr. Jones has also prepared plans for the following buildings:

Two-story frame cottage, cost, \$2500

Two one-story frame garages, cost, \$3000 each.

Two-story frame cottage, cost, \$6000

Contract Awarded.

GARAGE Cost, \$32,097
PORTLAND, Ore. 16th and Gilson Sts.

Two-story reinforced concrete garage, 100x100.

Owner—Monte Mayer.

Architect—Emil Schacht, Commonwealth Bldg., Portland.

Contractor—Victor Carlson, Portland.

Other contracts awarded as follows:
Gunther-King, roof sheet metal work.

D. W. Ward, plaster.

Portland Plumbing & Heating Co., plumbing and heating.

Vanderlip & Lord, wiring.

Plans Being Figured.

GARAGE, ETC. Cost, \$25,000
FRESNO, Fresno Co., Cal. W Van Ness Ave.—S Kern St.

One-story fireproof auto salesroom and garage, 75x100.

Owner—M. M. Shooshan.

Lessee—Spear-Bourst Auto Co., Coal-
ing.

Architect—Fred A. Swartz, Rowell Bldg., Fresno.

The exterior will be of cement in colors, semi-colonial details.

A feature of the building is that it is of the type of construction known

as one-span truss, with no pillars or supports in the garage.

Contract Awarded.

LOS BANOS, Merced Co., Cal.

GARAGE Cost, \$12,475
One-story reinforced concrete garage

150x50, with two-story annex, 30x50, for offices and apartment of 9 rooms.

Owner—Jack Ariglia.

Architect—C. Fantoni, 550 Montgomery St., San Francisco.

Contractor—J. Martinielli, 1125 Mason St., San Francisco.

Plans Being Figured. Grading and

Concrete Work Contracts Awarded.

MACHINE SHOP Cost, \$30,000

SAN FRANCISCO. N Bush Street 137-6 W Taylor Street.

One-story Class "C" store and machine shop building.

Owner—Paulina Shoenberg.

Architect—M. I. Schwartz, Nevada Bk.

Bldg., San Francisco.

The grading contract has been awarded to the Eureka Teaming Co. and the concrete work to Barrett & Hilp. Figures are being taken on all other parts of the work.

Plans Being Figured.

MACHINE SHOP Cost, \$17,000
SAN FRANCISCO. N Post Street — E Hyde Street.

One-story and basement brick machine shop, 30x137-6.

Owner—Withheld.

Architect—M. I. Schwartz, Nevada Bk.

Bldg., San Francisco.

Plans Being Prepared.

GARAGE Cost, \$45,000
SAN FRANCISCO. Downtown District.

One-story and basement reinforced concrete garage and (5) stores.

Owner—Withheld.

Architect—M. I. Schwartz, Nevada Bk.

Bldg., San Francisco.

Contract Awarded.

GARAGE Cost, \$—
SANTA ROSA, Sonoma Co., Cal. Fourth and "F" Streets.

One-story brick and concrete garage, 48x60.

Owner—Dunham Garage for Napa-Sonoma Stage Line.

Architect—Not Given.

Contractor—George Rielly, Olive and Powell Sts., Santa Rosa.

Contract Awarded.

GARAGE, ETC. Cost, \$105,000

approximately.

OAKLAND, Cal. Grand Avenue near Webster Street.

Four-story reinforced concrete auto sales and garage building.

Owner—Roger Colt Invest. Co., 306 14th St., Oakland.

Lessee—H. O. Harrison Company.

Architect—M. I. Diggs, Union Savings Bank Bldg., Oakland.

Contractor—Palmer & Petersen, Mo-nadnock Bldg., San Francisco.

Contract Awarded.

GARAGE Cost, \$—
BURLINGAME, San Mateo Co., Cal.

Frame private garage.

Owner—Leroy Schlesinger.

Architect—Julius Kraft & Sons, Phe-lan Bldg., San Francisco.

Contractor—Isaac Penny, Chroni-els Bldg., San Francisco.

Plans Being Prepared.

GARAGE Cost, \$50,000
 MODESTO, Stanislaus Co., Cal. NE
 10th and "K" Streets.

Two-story reinforced concrete garage
 and auto salesroom, 75x140.
 Owner—L. H. Petersen, 819 11th St.,
 Modesto.

Architect—Not Given.

Plans Being Re-figured. Bids Close
 November 5th. 4 P. M.
 SHOP BLDG. Cost, \$—
 MONTEREY, Monterey Co., Cal.

Erection and completion of shop build-
 ing.
 Owner—Monterey Union High School
 District, James McIntosh, Clerk.
 Architect—Ralph Wyckoff, 328½ Main
 St., Salinas, Cal.

October 30, 1919.

Contract Awarded.
 RANCH BUILDINGS Cost, \$—
 SAN SIMEON, San Luis Obispo Co., Cal.
 Group of reinforced concrete ranch
 buildings.

Owner—Wm. Randolph Hearst.
 Architect—Miss Julia Morgan, Mer-
 chants' Exchange Bldg., San Fran-
 cisco.

Contractor—H. E. Washburn, Premises.

GOVERNMENT WORK AND SUPPLIES

SUPPLIES FOR THE NAVY—Navy
 Department, Bureau of Supplies and
 Accounts, Washington, D. C.—Furnished
 bids will be received here for furnish-
 ing supplies under schedules as follows:

Closing date noted at end of each
 paragraph.

Schedule 4701, for eastern and west-
 ern yards, miscellaneous tungsten and
 carbon tool steel, opening of November
 18.

Schedule 4885, for Puget Sound, 1
 steam towing machine, opening of No-
 vember 14.

Schedule 4894, for Puget Sound, 2,400
 feet flexible copper cable, opening of
 November 4.

Schedule 4902, for Mare Island, motor
 generators, opening of November 7.

Schedule 4909, for eastern and west-
 ern yards, meat and food grinders,
 opening of November 18.

Schedule 4911, for eastern and west-
 ern yards, sliding T bevels opening of
 November 11.

Schedule 4912, for eastern and west-
 ern yards, drill drifts, opening of No-
 vember 11.

Schedule 4913, for eastern and west-
 ern yards, brass wood screws, opening
 of November 21.

Schedule 4914, for eastern and west-
 ern yards, steel machine screws, open-
 ing of November 21.

Schedule 4929, for eastern and west-
 ern yards, 27 dough-mixing machines,
 7 kitchen and cake machines and 24
 metal dough troughs, opening of No-
 vember 21.

Schedule 4930, for eastern and west-
 ern yards, 33 steam jacketed kettles,
 opening of November 21.

Schedule 4931, for eastern and west-
 ern yards, potato peelers, opening of
 November 21.

Schedule 4932, for eastern and west-
 ern yards, 5 solidifying cabinets, brine
 pumps and 32 ice cream freezers, open-
 ing of November 21.

Schedule 4933, for eastern and west-
 ern yards, 19 bakery proofers, opening
 of November 21.

Schedule 4935, for eastern and west-
 ern yards, butter cutting, meat slicing,
 vegetable mashing and bread slicing
 machines, opening of November 21.

Schedule 4937, for eastern and west-
 ern yards, 6 electric ranges and 2 elec-
 tric ovens, opening of November 21.

For further information address the
 bureau of supplies and accounts, Navy
 Department, Washington, D. C.

Contract Awarded.
 ALTERATIONS Cost, \$5,949
 SAN FRANCISCO. U. S. Marine Hos-
 pital, San Francisco.

Extension and remodeling of boiler
 room in boiler building.
 Owner—United States Government.

Architect—None.
 Contractor—Barrett & Hilp, Sharon
 Bldg., San Francisco.

WASHINGTON, D. C.—Plans are be-
 ing prepared by the Bureau of Yards
 and Docks, Navy Department, for the
 extension of radio buildings at San
 Diego, Calif. The work is provided for
 under Specification No. 4076.

Specifications are also being prepared
 by the Bureau of Yards and Docks for
 painting three 600 foot radio towers at
 San Diego under Specification No. 4067.

Bids for the above projects will be
 called for shortly.

WASHINGTON, D. C.—The following
 bids were received October 16 by the
 Supervising Architect, Treasury De-
 partment, Washington, D. C., for alter-
 ations and remodeling in the U. S. Post
 Office and Court House, San Antonio,
 Texas.

Geo. E. Wright, Chicago, Ill., \$33,000.
 H. H. Knuth, San Antonio, Tex., \$30,-
 430.

RADIO STATION PLANNED AT GRAYS HARBOR.

ABERDEEN, Wash.—W. E. White, R.
 R. Rice and R. J. Driscoll, represent-
 ing the District Radio Office at Bremer-
 ton, are gathering details for recom-
 mendation for the establishment of a
 \$1,000,000 naval and commercial radio
 station at Grays Harbor, which will
 serve to communicate with Japan, Cor-
 dova, Philippines and Vladivostok.

PROPOSALS FOR electrical hard-
 ware, equipment cable, cord, etc.—
 Sealed proposals will be received at the
 Office of the General Purchasing Of-
 ficer, The Panama Canal, Washington,
 D. C. until 10:30 o'clock A. M., No-
 vember 10, 1919, at which time they
 will be opened in public for furnish-
 ing the above-mentioned articles.
 Blanks and information relating to this
 Circular (1311) may be obtained from
 this office or the office of the Assistant
 Purchasing Agent, Fort Mason, San
 Francisco, Calif.; also from the United
 States Engineer Offices in the principal
 cities throughout the United States. A.
 J. FLINT, General Purchasing Officer.

HALL AND SOCIETY BUILDINGS.

MANTECA, San Joaquin Co., Cal.—
 Articles of incorporation have been filed
 with the County Clerk by the Masonic
 Temple Association of Manteca with a
 capital stock of \$50,000. It is planned
 to construct a modern Masonic Temple.
 Seven of the incorporators were

elected directors of the new association
 as follows: J. H. Austin, R. P. Duncan,
 A. S. Bomberger, H. S. Fuller Jr., Hugh
 W. Campbell, E. E. Douglass and James
 L. Hansen.

The other incorporators are C. H.
 Laiblin, L. H. Blake, T. T. Wiggin, J.
 M. Luck, F. M. McCord, J. D. Dean G.
 H. Grant, George C. Butternuth, Victor
 Norberg, C. Victor Strom, C. W. Forbes
 and E. R. Pahre.

LONG BEACH, Los Angeles Co., Cal.—
 The Virginia Country Club has voted to
 purchase 125 acres in the Los Cer-
 ritos district. It is the intention to
 erect a \$50,000 clubhouse, furnish it at
 a cost of about \$15,000, and lay out a
 golf course. The land will cost \$60,000.
 Dr. A. C. Selleny has been handling the
 deal for the club.

Plans to be Prepared.
 LODGE AND STORE BUILDING
 Cost, \$—

VALLEJO, Solano Co., Cal. S Virginia
 St., bet. Sacramento and Santa
 Clara Streets.

Fireproof lodge and store building.
 Owner—Vallejo Aerie No. 71, Fraternal
 Order of Eagles, Vallejo. Arthur
 Perry, President.

Architect—Yet to be Selected.

The following has been appointed to
 secure estimates of costs, class of con-
 struction, etc.: John Davidson, Joseph
 Cannon, J. P. Groggins, William J.
 England, I. Harris Jr., H. J. Elvin,
 Richard J. Ryall and W. W. Winchell.

HOSPITALS

Ready for Figures About November
 10th.

HOSPITAL Cost, \$500,000 ap-
 proximately.

OAKLAND, Alameda Co., Cal. 14th
 Avenue and E-27th Street.

First unit Class "A" hospital; service
 building, two dormitory buildings,
 and connecting corridors.

Owner—Alameda County.

Architect—Henry H. Meyers, Kohl
 Bldg., San Francisco.

Bids for a general contract on the
 above will be called for about Novem-
 ber 10th, and 45 days will be allowed
 for figuring instead of the usual 30
 days.

Contract Awarded.
 NURSES' HOME Cost, \$57,000
 FRESNO, Fresno Co., Cal.

Two-story and basement concrete and
 brick nurses' home, 106x70.

Owner—Burnett Sanitarium, 1234 "S"
 St., Fresno.

Architect and Designer—R. F. Felchlin
 Bank of Italy Bldg., Fresno.

Building will provide quarters for
 70 nurses, each nurse's room to have
 lavatory and two closets. Assembly
 hall and recreation quarters are also
 provided for.

Preliminary Plans Being Prepared.
 HOSPITAL Cost, \$—
 SAN FRANCISCO. California and
 Maple Streets, San Francisco.

Fireproof hospital.
 Owner—Children's Hospital (Mrs. A. F.
 Morrison, President).

Architects—Bakewell & Brown, 251
 Kearny St., San Francisco.

The architects will prepare plans for
 the complete hospital group, to cost ap-
 proximately \$1,000,000, but only a por-
 tion will be built in the near future.

as funds will have to be raised. The portion that will be erected first will cost about \$200,000.

Plans Being Figured.

BRICK BANK Cost, \$—
KNIGHTS LANDING, Yolo Co., Cal.
 One-story brick bank.
 Owner—Douglas McGriff.
 Lessee—First National Bank of Woodland.
 Architect—W. H. Weeks, 75 Post St., San Francisco.

Building Permit Granted.

COTTAGES Cost, \$6,500
SANTA ROSA, Sonoma Co., Cal. Seventh and "A" Streets.
 Four one-story frame cottages (all to be connected by corridors) for hospital.
 Owner—The Cottage Hospital, H. S. Gutermute, Santa Rosa.
 Architect—Not Given.

HOTELS

Contract Awarded. Excavation Started
HOTEL Cost, \$16,000
BENICIA, Solano Co., Cal.
 One-story pressed brick and shingles bungalow hotel, 80x106.
 Owner—Wm. Foreman, Benicia, Cal.
 Architect—Not Given.
 Contractor—C. Barench, Vallejo, Cal.

Plans Being Prepared.
HOTEL, ETC. Cost, \$50,000
CALIFORNIA, Out of Town.
 Four-story reinforced concrete hotel and cottages.
 Owner—Withheld.
 Architect—C. H. Skidmore, New Call Bldg., San Francisco.

Plans Prepared.
ANNEX TO HOTEL Cost, \$—
SUSANVILLE, Lassen Co., Cal.
 Annex to St. Francis Hotel (30 rooms).
 Owner—W. H. Neihause, Susanville.
 Architect—F. J. De Longchamps, Gazette Bldg., Reno, Nevada.

Contract Awarded.
HOTEL, ETC. Cost, \$45,000
STOCKTON, San Joaquin Co., Cal. El Dorado and Lafayette Streets.
 Three-story and basement brick hotel and 7 stores, 65x80 (60 rooms).
 Owner—L. Cassinelli, Stockton.
 Architect—Walter King, Call Bldg., San Francisco.
 Contractors—Totten & Trewlitt, Stockton.

LIBRARIES.

NAPA, Napa Co., Cal.—The City Council has approved specifications for the installation of a heating system in the Goodman Library and a call for bids will be issued shortly.

Plans Being Prepared.
BRANCH LIBRARY Cost, \$8,000
TAFT, Kern Co., Cal.
 Branch library.
 Owner—City of Taft.
 Architect—Thos. B. Wiseman, Morgan Bldg., Bakersfield.

PUBLIC BUILDINGS

WEIMAR, Placer Co., Cal.—The contract for the installation of laundry equipment in the Tubercular building at Weimar has been awarded to the

Troy Laundry Machinery Co., 954 Mission St., San Francisco, at \$8,700.

Plans for the building were designed by Architects R. A. Herold and J. E. Stanton, Associate, Forum Bldg., Sacramento.

The hospital is to be operated jointly by the following counties:
 Amador, Colusa, Contra Costa, El Dorado, Placer, Plumas, Sacramento, Sutter Tuolumne, Yolo and Yuba.

Commissioned to Prepare Plans.
CITY HALL, ETC. Cost, \$75,000
VENTURA, Ventura Co., Cal. Site 200x250.
 Two-story and basement brick City Hall and Library.
 Owner—City of Ventura (Site donated by E. P. Foster).
 Architect—Alfred F. Priest, 615 Fay Bldg., Los Angeles.

Completing Plans.
CAPITOL EXTENSION Cost, \$3,300,000.
SACRAMENTO, Cal. Capitol Grounds.
 Two four-story and basement Class "A" Capitol Extension Buildings (Library and Court Building and Office Building.)
 Owner—State of California.
 Architects—Weeks & Day, Phelan Bldg., San Francisco.

It is planned to have drawings and specifications complete so that bids may be called in January.

FRESNO, Fresno Co., Cal.—The County Board of Supervisors and the City Council of Fresno are planning the construction of a number of comfort stations, at least three, in the immediate vicinity of Fresno.

Preliminary plans for the structures have been prepared and it is thought that early construction on the buildings will be started.

RESIDENCES.

ALTERATIONS, ETC. Cost, \$3,850
SAN FRANCISCO, 17th Avenue.
 Build garage and alter and add to frame residence.
 Owner—Mr. Randall.
 Architects—O'Brien Bros., 240 Montgomery St., San Francisco.
 Contractor—Peter Hamilton, Russ Bldg., San Francisco.

Plans Being Figured.
RESIDENCE Cost, \$25,000
HILLSBOROUGH, San Mateo Co., Cal.
 Two-story frame residence and garage (15 rooms and 3 bathrooms).
 Owner—Withheld.
 Architects—Howard & White, Lick Bldg., San Francisco.

Ready For Figures in a Few Days.
RESIDENCE Cost, \$12,000
SAN FRANCISCO, Forest Hill.
 Two-story and basement frame residence and garage (9 rooms and 3 bathrooms).
 Owner—Withheld.
 Architect—Walter Falch, Hearst Bldg., San Francisco.

Contract Awarded.
RESIDENCE Cost, \$19,000
SACRAMENTO, Cal. No. 1435 Thirtieth Street.
 Two-story residence (11 rooms).
 Owner—Dr. C. B. McKee, Mitau Bldg., Sacramento.
 Architect—Not Given.

Contractor—C. J. Guth, 1516 27th St., Sacramento.

Plans Being Prepared.
FRAME RESIDENCE Cost, \$—
HILLSBOROUGH, San Mateo Co., Cal.
 Near Hillsborough.
 Two-story and basement frame residence.
 Owner—Mr. Meyer.
 Architects—Bakewell & Brown, 251 Kearny St., San Francisco.

Plans Being Prepared.
RESIDENCE Cost, \$12,000
SALINAS, Monterey Co., Cal.
 Two-story frame and plaster residence (8 rooms and 2 bathrooms).
 Owner—C. M. Hansen, Salinas.
 Architect—Ralph Wyckoff, 328½ Main St., Salinas.

Preliminary Figures Being Taken.
RESIDENCE Cost, \$20,000
CONCORD, Contra Costa Co., Cal.
 Two-story frame residence (10 rooms and 4 bathrooms).
 Owner—Mrs. Geo. W. McNear.
 Architect—Benj. G. McDougall, Sheldon Bldg., San Francisco.

Plans Being Prepared.
RESIDENCE, ETC. Cost, \$50,000
SANTA BARBARA, Cal. Parra Grande Lane.
 Large residence, garage and caretaker's dwelling.
 Owner—Milo Minton Potter.
 Architect—Francis Wilson, 717½ State St., Santa Barbara, Cal.

To be Done by Day Labor.
RESIDENCE Cost, \$30,000
OSWEGO, Oregon.
 Two-story frame and stucco residence (11 rooms).
 Owner—W. M. Ladd.
 Architect—Lawrence & Holford, Chamber of Commerce Bldg., Portland.

Contract Awarded. Excavation Started
FRAME DWELLINGS Cost, ranging from \$4,000 to \$7,500 each.
SAN JOSE, Santa Clara Co., Cal. Palm Haven Tract.
 Twenty-two one and two-story and basement frame dwellings.
 Owner—Palm Haven Investment Co.
 Designers and Contractors—Wallace & Bush, Bank of San Jose Bldg., San Jose.

Plans Being Figured.
FRAME BUNGALOW Cost, \$6,000
SAN MATEO, San Mateo Co., Cal.
 Prospect Road and Peninsular Avenue.
 One-story 7-room frame bungalow.
 Owner—W. H. Hoover.
 Architect—W. L. Schmoll, Room 5, 40 Montgomery St., San Francisco.

Contract Awarded on a Percentage Basis.
RESIDENCE Cost, \$—
LOS GATOS, Santa Clara Co., Cal. Near Los Gatos.
 Two-story and basement frame residence and garage.
 Owner—Withheld.
 Architect—Miss Julia Morgan, Merchants' Exchange Bldg., San Francisco.
 Contractor—Grace & Bernieri, Claus Spreckels Bldg., San Francisco.

Plans Being Figured.
ALTERATIONS Cost, \$2,000
MILL VALLEY.
Alter and add to frame residence.
Owner—C. M. Cofer, Mill Valley.
Architect—W. L. Schmoll, Room 5, 40
Montgomery St., San Francisco.

Plans Being Prepared.
RESIDENCE Cost, \$10,000
BERKELEY, Alameda Co., Cal. Warring
Street.
Two-story and basement frame residence
and garage (7 rooms and 2
bathrooms).
Owner—Arthur G. Wood.
Architect—W. H. Ratcliff Jr., 1st National
Bank Bldg., Berkeley.

Plans Being Prepared.
RESIDENCE Cost, \$6,000
SAN FRANCISCO. Thirty-second Ave.
bet. Anza and Balboa Streets.
Two-story frame residence.
Owner—Earle Anthony.
Architect—C. H. Skidmore, New Call
Bldg., San Francisco.

Contract Awarded.
RESIDENCE Cost, \$—
SARATOGA, Santa Clara Co., Cal. Near
Saratoga.
Two-story and basement frame residence
and garage (tile roof.)
Owner—Wicheld.
Architect—Miss Julia Morgan, Merchants'
Exchange Bldg., San Francisco.
Contractor—Morrison Bros., Santa
Clara and Builders' Exchange, San
Jose.

SCHOOLS

Plans Being Prepared.
SCHOOL Cost, \$30,000
BELLINGHAM, Wash.
One-story grade school, 10 or 12 rooms
Owner—City of Bellingham.
Architect—T. E. Doan, Bellingham.

Contract Awarded.
SCHOOL Cost, \$62,168
IMPERIAL, Imperial Co., Cal.
Fireproof grade school.
Owner—Imperial School District.
Architect—Don W. Wells, El Centro.
Contractor—N. W. Beer, Calexico.
H. H. Peterson of Calexico, was
awarded the contract for heating at
\$14,000; C. H. Julian of San Diego, the
plumbing at \$8360; P. L. Orr of El
Centro, the painting at \$2890, and T. R.
Laerman of El Centro, the electric wiring
at \$1043.50. Hammond Lumber Co.
will furnish the lumber and other materials
for the building.

Plans Being Figured. Bids Close Dec.
1, 1919, 3 P. M.
SCHOOL Cost, \$125,000
YUMA, Arizona.
Two-story and basement brick school
building.
Owner—School District No. 1 Yuma Co.
Architect—Norman F. Marsh, 210
Broadway Central Bldg., Los Angeles.

Plans and specifications may be obtained
at the office of Architect Norman
F. Marsh, from Fred R. Ingie, Clerk
of the School Board, Board of
Trade Bldg., Yuma; or from Architect
V. O. Wallingford, Goodrich Bldg.,
Phoenix, Ariz. A deposit of \$25 will
be required on plans.

Contract Awarded.
SCHOOLS Cost, \$103,493
ANAHEIM, Orange Co., Cal.
Two one-story brick grammar school
buildings, 182X152 and 71X99.
Owner—Anaheim School District.
Architects—E. R. Jeffery and F. R.
Schaefer, 1106 Kerckhoff Bldg., Los
Angeles.
Contractor—A. L. Gribling, 217 E. Avenue
33, Los Angeles.

BERKELEY, Cal.—The following
contracts have been awarded by the
Berkeley Board of Education for the
construction of the Thousand Oaks
School, a one-story hollow tile structure.
Plans were prepared by Architect
W. C. Hays, 1st National Bank
Bldg., San Francisco.

Lathing and Plastering to T. Glimm,
4048 Brown Ave., Alameda, \$9,915.
Plumbing to Thos. Cotton, Berkeley,
\$5,299.99.

Masonry to White & Gloor, Monadnock
Bldg., San Francisco, \$1,600.
Roofing and Sheet Metal Work to A.
K. Goodmundson, 565 16th St., Oakland,
\$6,811.

Heating and Ventilating to Scott Co.,
381 11th St., Oakland. (Kind of boiler
not decided.)

Electrical Work to Capital Elec. Co.,
2468 Shattuck Ave., Berkeley, \$3,205.
Shades and Linoleum to D. N. & E.
Walter & Co., O'Farrell and Stockton
Sts., San Francisco, \$2,303.

The following work will be done by
days labor. All bids rejected as being
too high:

Excavating and grading; Concrete
and Cement Work; Carpentry; Glass &
Glazing; Hardware; Blackboards;
Structural and Ornamental Iron Work
and Painting.

Plans Being Prepared.
SCHOOL Cost, \$75,000
KINGSBURG, Fresno Co., Cal.
Brick grammar school building.
Owner—Kingsburg Grammar School
District.
Architect—Anton Johnson, Kingsburg.
NOTE—Erection of building depends
upon bond issue to be held November
15th.

Plans Being Prepared.
CONVENT Cost, \$40,000
STOCKTON, San Joaquin Co., Cal. San
Joaquin St. adj. St. Agnes' College.
Two-story brick convent.
Owner—St. Agnes Convent, Dominican
Sisters.
Architect—Geo. E. McCrea, 1st National
Bank Bldg., Oakland.

Sketches Being Prepared.
SWIMMING POOL Cost, \$—
CHICO, Butte Co., Cal. Bidwell Park.
Permanent swimming pool.
Owner—City of Chico, Frank S. Robinson,
City Engineer.
Architect—Edw. J. Symmes, 1700 Pearl
St., Alameda.

Plans Being Figured. Bids Close Nov.
10, 1919, 4 P. M.
SCHOOL Cost, \$—
IVANHOE, Tulare Co., Cal. Ivanhoe
School District.
Tile and plaster school.
Owner—Ivanhoe School District.
Architect—M. P. Renfro, Porterville.
Plans may be obtained from M. P.
Renfro, architect, at Porterville, or
Jas. B. Young, Clerk. Certified check
for 5% required.

Plans Being Prepared.
ADDITIONS Cost, \$—
MODESTO, Stanislaus Co., Cal. Twelfth
and "L" Streets.
Addition to departmental school.
Owner—City of Modesto.
Architect—J. J. Donovan, Perry Bldg.,
Oakland.

Ready For Figures in About Two
Weeks.
SCHOOL Cost, \$49,000
SAN ANSELMO, Marin Co., Cal.
One-story and basement brick elementary
school (10 rooms and an auditorium).
Owner—San Anselmo School District.
Architect—J. W. Dolliver, Royal Insurance
Bldg., San Francisco.
Bonds have been voted.

Contract Awarded.
SCHOOL Cost, \$43,000
RIVERDALE, Oregon.
One-story brick school (4 classrooms,
auditorium, library, offices, etc.)
Owner—Riverdale School District.
Architect—A. E. Doyle, Worcester
Bldg., Portland.
Contractor—Thos. Muir, Henry Bldg.,
Portland.

FRESNO, Fresno Co., Cal.—Bids will
be received by J. R. Fontains, Secretary
of the Fresno Board of Education,
up to November 13th, 5 P. M., for furnishing
and delivering to the City of
Fresno 1,000 or more, pupils' pressed
steel combination desks of all sizes for
use in the Fresno High School.

STORES AND OFFICES

Plans Being Prepared.
ALTERATIONS Cost, \$4,000
SAN FRANCISCO. Mission Street
near 24th Street.
Alterations to store (new fronts, etc.)
Owner—China Toggery.
Architects—O'Brien Bros., 240 Montgomery
St., San Francisco.

Contract Awarded.
ADDITION, ETC. Cost, \$75,000
SACRAMENTO, Cal. Sixth and "J"
Streets.
Three-story addition and extensive
alterations to present department
store.
Owner—Chas. P. Nathan & Sons.
Architect—None.
Contractor—Siller Bros., 1614 13th St.,
Sacramento.

Mr. W. G. Aiken of Los Angeles is
the architect for the interior.

Plans Being Prepared.
STORE Cost, \$15,000
MARTINEZ, Contra Costa Co., Cal.
Main Street, bet. Castro and Smith
Streets.
One-story fireproof store.
Owner—G. Ventimiglia, Martinez, Cal.
Architect—Not Given.

Days Work.
STORE BUILDING Cost, \$20,000
PETALUMA, Cal.
One-story reinforced concrete store
building.
Owner—M. Vouse.
Architect—Brinhard Jones, Petaluma.

Contract Awarded.
STORES & OFFICES Cost, \$—
MODESTO, Stanislaus Co., Cal.
Eleventh St., bet. "I" and "J"

Three-story brick and concrete stores and offices.

Owner—Tillson Building, Modesto.
Architect and Contractor—Geo. J. Ulrich, 419 Sycamore St., Modesto.

Plans Sent East For Approval.
BANK AND OFFICE BLDG.

Cost, \$—
SAN FRANCISCO. Gore Corner Post and Market Streets.
25-story Class "A" bank and office building.

Owner—Crocker Estate.
Architects—Willis Polk & Co., Hobart Bldg., San Francisco.

Plans have been sent East for the approval of the Eastern stockholders

SAN JOSE, Santa Clara Co., Cal.—
Leinrich Homberger and Ralph W. Ullen, representing H. W. Dubiske & Company of Chicago, have been in San Jose conferring with bankers and business houses regarding the financial situation in this territory.

They state it is the intention of their company to erect a branch office building in San Jose to handle their business interests. The company is in the business of financing industries which have not capital to extend their operations.

Contract Awarded.
ALTERATIONS

Cost, \$—
SAN FRANCISCO. No. 49 Geary Street.
Alter store (new store fronts, fixtures, etc.)

Owner—Coghlan & Co.
Architects—J. E. Kraft & Son, Phelan Bldg., San Francisco.
Contractor—Daniel O'Neill, 273 Minna St., San Francisco.

Construction will not start until January.

Contract Awarded.
BRICK BUILDING

Cost, \$10,000
MODESTO, Stanislaus Co., Cal. 8th and "I" Streets.

One-story brick building, 50x80.

Owner—Stanislaus Investment Co., Modesto.
Architect—None.
Contractor—Tuolumne Lumber Co., 430 10th St., Modesto.

Plans Being Prepared. Contract Awarded.

STORE AND OFFICE BLDG.

Cost, \$750,000.
LOS ANGELES, Cal. Spring St., bet. 6th and 7th Streets.

Thirteen-story Class "A" store and office building, 119x153.

Owner—Thos. B. Story.
Architects—Morgan, Walls & Morgan, 1124 Van Nuys Bldg., Los Angeles.
Contractor—Weymouth, Crowell, 2026 W-9th St., Los Angeles.

Plans Being Prepared.
WHOLESALE BLDG.

Cost, \$—
EL CENTRO, Imperial Co., Cal.
Two-story and basement reinforced concrete wholesale building, 90x94.

Owner—Channel Commercial Co., Los Angeles.

Architect—E. L. Mayberry, 468 Pacific Electric Bldg., Los Angeles.

It will contain offices for the officials, rest rooms, salesmen's club rooms with shower baths, and warehouse space.

Contract Awarded.
AUTO SALES BLDG.

Cost, \$130,000
SEATTLE, Wash. Fourth Avenue and Columbia Street.
Class "A" auto sales building, 120x120.
Owner—Inner-Circle Properties Co.
Architect—James Schack, Lippy Bldg., Seattle, Wash.
Contractor—Rounds-Clist Co., Walker Bldg., Seattle, Wash.

Contract Awarded.
ALTERATIONS

Cost Plus 15%
Estimated Cost, \$4,500.
SAN FRANCISCO. Oak and Van Ness Avenue.

General alterations and changes for auto accessory store.

Owner—The Firestone Tire Co.
Architect—C. O. Clausen, Hearst Bldg., San Francisco.

Contractor—P. R. Ward, 180 Jessie St., San Francisco.

Work will consist of electric wiring, fixtures, plumbing, glazing, plastering, partitions, shelving, etc.

Contract Awarded.
STORE AND SHOP

Cost, \$15,490
SAN FRANCISCO. N Post Street 37-6 W Larkin Street.

One-story and basement Class "C" store and Shop.

Owner—E. Hohfeld.
Architect—E. E. Foulkes, Crocker Bldg., San Francisco.

Contractor—Richard J. H. Forbes, Mo-nadnock Bldg., San Francisco.

Contract Awarded.
AUTO BUILDING

Cost, \$80,000
SEATTLE, Wash. NE 11th and East Union Avenue.

Three-story and basement mill and concrete auto building, 120x60.

Owner—J. A. Scherer.
Architect—J. R. Nevins, Hoge Bldg., Seattle, Wash.

Contractor—Scherer & Carlson.

Plans Being Prepared.
OFFICE BLDG.

Cost, \$—
LONG BEACH, Los Angeles Co., Cal.

Four-story and basement Class "C" office and store building, 50x150 (5 stories and 75 offices).

Owner—Pickrell & Scott.
Architect—Fred R. Dorn 1233 Marsh-Strong Bldg., Los Angeles.

Contracts Awarded and Plans Being Figured.

STORE BLDG.

Cost, \$—
SAN FRANCISCO. N Post Street 70 W Leavenworth Street.

One-story brick store building.

Owner—Paulina Schoenberg.
Architect—M. I. Schwartz, Nevada Bk. Bldg., San Francisco.

Figures are being taken for glass, roofing, marble, plastering and painting. The following contracts have been awarded:

Brick Work to Harry Drakae, 1333 Lincoln Way.

Iron Work to Schrader Iron Works, 1247 Harrison St.

Sheet Metal Work to Guilfoxy Corncise Works.

Electrical Work to San Francisco Electric Co., 261 1st St.

Plumbing to J. Gibbs, 1708 Geary St.

Artificial Stone to Geo. Goodman Artificial Stone Co., 35 Montgomery St.

Carpenter Work to Robinson & Gillespie, 1051 Sutter St.

Concrete Contract Awarded.
STORE & LOFTS

Cost, \$—
SAN FRANCISCO. California St. near Front Street.

Concrete work for two-story and basement fireproof store and loft building.

Owner—Walter Sullivan, 129 Sutter St., San Francisco.

Architect—Leo J. Devlin, Pacific Bldg., San Francisco.

Contractor—Richard J. H. Forbes, Mo-nadnock Bldg., San Francisco.

Working Drawings Being Prepared.
AUTO SALESROOMS

Cost, \$—
SAN FRANCISCO. S Post Street 137-6 E Van Ness Avenue.

One-story and basement Class "C" auto salesrooms building, 120x27½.

Owner—Mary A. Huggles.
Architect—August Headman, New Call Bldg., San Francisco.

Plans Being Prepared.
STORE BLDG.

Cost, \$—
SAN FRANCISCO. Mission St. near 18th Street.

One-story brick store building.

Owner—Chas. A. Rossier.
Lessee—F. R. Butterfield, Auctioneer, 2235 Mission St., San Francisco.

Architects—Weeks & Day, Phelan Bldg., San Francisco.

Contract Awarded.
ALTERATIONS

Cost, \$—
SAN JOSE, Santa Clara Co., Cal.

Tearing out partitions, erecting steel, etc.

Owner—Reich & Lievre, 119 S-First St., San Jose.

Architect—Joseph Cahen, 333 Kearny St., San Francisco.

Contractor—Morrison Bros., Santa Clara, Cal.

Segregated Figures to be Taken in About Ten Days.

BANK AND OFFICES

Cost, \$500,000
SAN FRANCISCO. NW Eddy and Powell Streets.

Six-story Class "A" bank and offices.

Owner—Bank of Italy.
Architects—Bliss & Faville, Balboa Bldg., San Francisco.

Figures will be taken from a selected list of contractors being prepared by Mr. Bacigalupi of the Bank.

The steel, grading and foundation contracts have been awarded.

Segregated Figures Being Taken.

GARAGE, ETC.

Cost, \$20,000
HAYWARD, Alameda Co., Cal. SE "A" and Main Streets.

Two-story reinforced concrete auto sales and garage building.

Owner—Mrs. Armstrong.
Architect—Sidney B. Newsom, Nevada Bank Bldg., San Francisco.

Superintendent—R. F. Bucknam, 329 Castro St., Hayward.

Contract Awarded.
OFFICES

Cost, \$10,000
MODESTO, Stanislaus Co., Cal. Eighth and "I" Streets.

One-story brick offices, 58x90 (Red and white pressed brick exterior.)

Owner—Stanislaus Improvement Co., Modesto.

Architect—Not Given.
Contractor—Tuolumne Lumber Co., 430 Tenth St., Modesto.

Completing Plans. Separate Figures to be Taken in About a Week.
STORE BLDG. Cost, \$—
 SAN FRANCISCO. Golden Gate Avenue near Larkin Street.
 One-story Class "C" brick (2) store building, 82-6x137-6.
 Owner—Withheld.
 Architect—Matthew O'Brien, Foxcroft Bldg., San Francisco.

Plans Being Figured.
MARKET BUILDING Cost, \$—
 SAN FRANCISCO. Clement Street.
 One-story frame market building.
 Owner—Withheld.
 Architect—C. Fantoni, 550 Montgomery St., San Francisco.

Plans Being Prepared. To Take Segregated Bids.
OFFICE BLDG. Cost, \$—
 PORTLAND, Ore. NW Fourth and Stark Streets.
 Four-story brick offices and stores, 50x100.

Owner—Lawyers Title & Trust Co.
 Architect—Olaf Sunde, 1107 East Yamhill St., Portland.

It is planned to sub-let the brick and masonry work, carpentering, etc. The structure will be erected under the supervision of Mr. Sunde and bids will be received by Mr. Gordon, 87 Fourth Street.

Bids in and Under Advertisment.
GARAGE, ETC. Cost, \$60,000
 PORTLAND, Ore. SE Hawthorne and Grand Avenues.

Three-story reinforced concrete and mill garage and autosales room, 90 x 95.

Owner—Francis Motor Car Co.
 Architects—Richard Martin and F. T. Webber, Associate, Chamber of Commerce Bldg. Portland.

Plans Being Prepared.
AUTO SALES BLDGS. Cost, \$—
 SAN FRANCISCO. San Francisco and several other California Cities.
 Class "A" auto sales buildings.
 Owner—Cadillac Motor Car Co., Don Lee, Coast Manager, 1601 Van Ness Ave., San Francisco.

Architect—Not Given.
 Further details will be announced by Mr. Lee shortly.

Plans Being Figured.
STORE BLDG. Cost, \$30,000
 SAN FRANCISCO. S Bush Street bet. Stockton and Powell Streets.
 One-story reinforced concrete store building.
 Owner—Withheld.
 Architect—Edward T. Foulkes, Crocker Bldg., San Francisco.

Low Bidders. Contracts to be Awarded Shortly.

ALTERATIONS Cost, \$—
 SAN FRANCISCO. N Market Street near Stockton.
 Alteration of stores for offices of Western Union.
 Owner—Bankers Investment Co.
 Architect—Frederick H. Meyer, Bankers' Invest. Bldg., San Francisco.
General Contract—J. S. Malloch, 110 Jessie Street, \$10,585.

Painting—H. Wachter, Chronicle Bldg., \$1,386.

Plumbing—Frederick Snook Co., 596 Clay Street, \$2,197.

Electric Work—Decker Elec. Co., 149 New Montgomery St., \$2,298.
Heating—Scott Co., 243 Minna Street, \$360.

THEATRES

Bids Opened.
THEATRE Cost, \$—
 SAN FRANCISCO. No. 3350 Mission St., near 29th (Lyceum Theatre).
 One-story Class "A" motion picture theatre.
 Owner—Withheld.
 Architects—Reid Bros., 105 Montgomery St., San Francisco.
Excavation and Concrete Work.
 G. B. Pasqualetti.....\$19,500
 John Spargo.....24,400
 American Concrete Co.....30,672
Carpentry Work.
 G. B. Pasqualetti.....\$ 9,250
 Chas. Stockholm & Son.....9,977
 Alfred H. Vogt.....13,366

ENGINEERING

BRIDGES, DAMS & HARBOR WORK

SAN FRANCISCO—Frank G. White, Chief Engineer of the State Board of Harbor Commissioners, Ferry Bldg., has submitted estimates as follows for harbor improvements and has petitioned the Board to allow him to proceed with the work.

Construction of Fender Line at Pier No. 17, estimated cost, \$3,500.

Installation of boiler in heating plant, Ferry Bldg. (foundation work), estimated cost, \$2,600.

NAPA, Napa Co., Cal.—The County Supervisors have awarded a contract to Frank Gaggero, Napa, at \$1,504.35 for the construction of three reinforced concrete culverts, one situated in American Canyon, near the Denlo ranch, one on West Lincoln avenue, near the Spencer property, and one on Central avenue, near the Rupert ranch. The only other bidder was Simon Lenz at \$1,736.85.

RED BLUFF, Tehama Co., Cal.—Engineers Weeks & Day, Phelan Bldg., San Francisco, submitted the only bid to the County Supervisors for furnishing plans and specifications for the construction of the Upper Deer Creek bridge and they were awarded the contract. The bid was three per cent of the sub of construction. H. G. Kuhn is County Clerk.

PRINEVILLE, Ore.—Bonds of \$150,000 have been sold by the Ochoco Irrigation District to finance the completion of a dam and spillway.

EUREKA, Humboldt Co., Cal.—Bids will be received by the County Supervisors, Fred M. Kay, County Clerk, up to December 9th, 2 P. M., for the construction of two steel bridges across the Mattole river, one at Thorn in Road District No. 2, and one at Honey Dew, in Road District No. 1.

COACHELLA, Riverside Co., Cal.—Until 2:30 P. M., November 10, bids will be received by Coachella Valley Storm Water District for constructing a wire

Pacific PIPE

SAVES YOU MONEY

New and re-noved screw casing and standard pipe for every requirement; tested and guaranteed for 150 pounds working pressure; dipped in hot asphaltum to prevent corrosion. Extensively used by orchardists and farmers, water-works, mines, etc.

Pacific Screw Casing is seamless steel pipe, light weight, fine thread. Saves you from one-half to two-thirds in cost; freight is half as much as on standard pipe.

Fittings and valves for every purpose; special fittings made to order. Tell us today what your requirements are; let us save you money.

PACIFIC PIPE CO.,
 231 Howard St. San Francisco

mesh dam, Pratt system, about one-half mile long in Whitewater river wash near Palm Springs Station, Riverside county. Estimated cost, \$10,000. Plans and specifications may be obtained from A. L. Sonderegger of Leeds and Barnard, Engineers, Central Bldg., Los Angeles, or Mrs. Edna M. Cardwell, clerk of the district at Coachella. Certified check for \$500 required. Bids will be taken later by the district for 35,000 cu. yds. ditch work and concrete drops to cost about \$30,000.

CALISTOGA, Napa Co., Cal.—The Board of Trustees have awarded a contract to Harry Thorsen of St. Helena, for building two bridges as follows: Lincoln avenue bridge, \$6795; Berry street bridge, \$5483.

Other bidders were: C. H. Gilder, sleeve of Napa and John Rocca of Novato. The bids were for the cement work and the steel work separately.

OROVILLE, Butte Co., Cal.—Surveys for the proposed Feather River bridge on the Oroville lateral have been completed by the State Highway Department and plans will be rushed to completion in order to have construction started by the first of the year.

NAPA, Napa Co., Cal.—Bids will be received by Jas. Daly, County Clerk, up to November 13th, 10 A. M., for remodeling nine stone bridges on proposed concrete highway on that portion of the said highway from Napa to the Town of Rutherford.

RED BLUFF, Tehama Co., Cal.—Bids will be received by H. G. Kuhn, County Clerk, up to November 10th 10 A. M., for the construction of a reinforced concrete bridge across McCarty Creek, on the Paskenta road, in Supervisor District No. 4.

SANTA ROSA, Sonoma Co., Cal.—Bids have been ordered received by the

County Supervisors up to November 12th for the construction of a reinforced concrete bridge across Piner Creek, on the Santa Rosa-Graton road.

STOCKTON, San Joaquin Co., Cal.—Plans for completing the levee and drainage system of Reclamation District No. 341, have been filed with the State Reclamation Board at Sacramento for approval.

The estimated cost of the work and maintenance for five years is placed by Engineer George S. Nickerson at \$378,573.94. This includes the raising of the levees to conform to the standards of the Sacramento Valley Flood Control project, also bulkhead protection, to prevent rivers that form the outside boundaries "washing" the land.

REDONDO BEACH, Los Angeles Co., Cal.—Leeds & Barnard, consulting engineers, Central Bldg., Los Angeles, have been retained by Council to prepare plans for repairing the municipal pier damaged by the storm of March, 1918. Cost, \$25,000.

IRRIGATION WORK

YUMA, Ariz.—Carl Schader of Santa Monica, Cal., is negotiating for the development of 293,000 acres in Mexico, on the international border adjoining the Yuma reclamation project, on which he has an option. Mr. Schader plans to form a syndicate to take over the land. Among other projects contemplated are the building of a railroad to Yuma, establishment of two townships and irrigation of the big tract by diverting water from the Colorado river.

A favorable report on the Byron-Bethany Irrigation District in Contra Costa County, has been made by the State Department of Engineering, according to information received by County Clerk J. H. Wells.

The district will be located in the vicinity of Byron, and takes in a large acreage.

SONOMA, Sonoma Co., Cal.—The Town Trustees are planning a bond issue to secure funds for the improvement of streets.

It is the plan of the city to have all its streets paved according to the specifications for the S'te highway system.

The plan provides for paved streets connecting the highways on each side of the city, and all the streets in the immediate proximity to the Plaza will be paved.

MACHINERY

VALLEJO, Solano Co., Cal.—The following bids were received by the City Council for furnishing and delivering a motor truck to the City of Vallejo:

Hirsch Motor Co., San Francisco, a two-ton traffic truck, \$1690; Benicia Garage, a Garford truck, \$2,740.99; Freudenburg & Guhl, White truck, \$3,611.50; Acme Garage, one bid for a Ford one-ton truck, \$636.16, and for a Dodge Brothers two-ton truck for \$1800.

J. M. Sauer, Kissel truck, \$2300. All bids were taken under advisement.

BAKERSFIELD, Kern Co., Cal.—Until 7:30 p. m., November 13, bids will be received by the Board of Education, E. R. Long, Secretary, for power machinery for the manual training department in accordance with specifications, which may be obtained from the clerk, room 3, city hall. Certified check for 10% required.

SANTA ROSA, Sonoma Co., Cal.—Bids will be received by the County Supervisors, W. W. Felt, Jr., County Clerk, up to November 13th, 1:30 P. M., for the purchase from Sonoma County of 21 road pumps, now at the Corporation Yard, in Ellis street, Santa Rosa.

SACRAMENTO, Cal.—At \$1,300 the City Commissioners, M. J. Desmond, City Clerk, have awarded a contract to the Spears-Wells Road Machinery Co., 110 Jessie St., San Francisco, for furnishing and delivering to the City of Sacramento one road planer for use on the city streets.

OAKLAND, Cal.—Bids will be received by County Clerk, Geo. E. Gross, up to November 17th, 10 A. M., for furnishing and installing a pumping unit for the water supply of the Arroyo Sanatorium, near Livermore.

BAKERSFIELD, Kern Co., Cal.—Until 10 A. M., November 8, new bids will be received by Supervisors of Kern County, for purchase of machinery at rock crushing plant at Keene.

SEWERS, STREET WORK, ROADS AND WATER SYSTEMS

FRESNO, Fresno Co., Cal.—The contract for the construction of sanitary sewers in Municipal Improvement District No. 1 has been awarded by the City Council, Chas. Dillon, City Clerk, to H. Gould, 1022 27th St., Sacramento, at \$118,245.32.

The only other bid was that of the Federal Construction Co., Fresno, at \$125,694.82.

OAKLAND, Cal.—The following bids were received by the County Supervisors for the construction of a reinforced concrete culvert on the Moore Canyon road in the Eden Road District:

M. E. Fernandes.....	\$10,945
Bresse & Burgund.....	7,997
Edw. H. Martin.....	7,978
C. A. Bruce.....	7,700
Arthur J. Grier.....	7,670

The bids were taken under advisement.

RICHMOND, Contra Costa Co., Cal.—The City Council, A. C. Faris, City Clerk, has passed resolution of intention No. 361 providing for the establishment of grades on Elvarado street, Nevada and Arizona avenues.

SAN BERNARDINO, Cal.—Until 7:30 P. M., November 10, bids will be received by City Clerk J. H. Osborn for the following street work:

Base Line street between Arrowhead avenue and B street, strip 24 ft. wide to be graded and oiled; a strip 12.75 ft. wide on each side to be paved with oil macadam base and rock screenings surface; concrete gutters and corrugated iron culverts.

Hope St. between Baptist alley and Second St., to be paved with 4-in. concrete base with oil and rock screenings surface.

Second St., between 1 St. and Carter Ave., to be paved with 4-in. concrete base and oil and rock screenings surface; corrugated iron culvert.

Second St., between Carter Ave. and Kendall Ave., to be paved with 2½-in. asphaltic concrete base and 1½-in. Warrentite surface; six corrugated iron culverts. All work will be done under improvement act of 1911. W. D. Brown, City Engineer.

PITTSBURG, Contra Costa Co., Cal.—Bids will be received by the City Trustees, James Fitzgerald, City Clerk, for the improvement of Tenth street from the east to the west city limits by grading, paving with a 6-inch concrete pavement, the same to be covered with a heavy coat of oil and rock screenings and the installation of 6 inch by 24 inch half circle culverts; that from the east line of West street to the west city limits the concrete pavement shall be only 7' 8 feet in width.

BREA, Orange Co., Cal.—Olmsted & Gillelen, Hollingsworth Bldg., Los Angeles, are preparing plans and estimates for improving the present water system which will be purchased by the city. A bond election will be called in 30 to 60 days.

MODESTO, Stanislaus Co., Cal.—Bids will be received by the City Council, W. O. Thompson, City Clerk, up to November 12th, 5 P. M., for the improvement of Modesto avenue from the east line of McHenry avenue by grading, and paving with a 4-in. Portland cement concrete base and a 1½-in. bitulithic wearing surface; construction of concrete curbs and gutters.

Bids will be opened on the same date for the improvement of "H" street from the center line of Franklin street, northeast to Second street by grading; "H" street from the center line of Franklin street northeast to Yosemite avenue and the east line of Jefferson street by paving with a strip 20 feet wide of 4-inch Portland cement concrete base and a 1½-in. bitulithic wearing surface; "H" street from the east line of Yosemite avenue and the east line of Jefferson street northeast to Second street by paving with a 4-in. Portland cement concrete base and a 1½-in. bitulithic wearing surface; "H" street from the center line of Franklin street northeast to Second street by the construction of cement concrete curbs and gutters. Further information may be had from City Clerk, W. O. Thompson.

SANTA CRUZ, Santa Cruz Co., Cal.—W. E. Miller, Santa Cruz, is securing signatures for the paving of Main street, Beach Hill, for street work to be done under private contract.

Greenfield & Costello are also signing up property owners of Second street.

RITZVILLE, Wash.—The Adams County Commissioners have awarded a contract to Mitchell Bros., of Spokane, Wash., for the construction of 19½ miles of permanent highway at \$168,000. The work will begin at the western terminus of the hard-surfaced

road, leading west from Ritzville, and continue west to the Grant County line.

OAKLAND, Cal.—The City Council, L. W. Cummings, City Clerk, has passed a resolution of intention providing for the improvement of Abbey street from the northeast line of Allendale to the southwest line of Penniman avenue by grading; constructing concrete curbs and gutters; cement sidewalks and paving with an oil macadam pavement.

ALAMEDA, Alameda Co., Cal.—The City Council, R. E. Bosshard, City Clerk, has passed a resolution of intention (No. 252) providing for the improvement of Santa Clara avenue between the west line of Webster street and the east line of Third street, and Webster street between the north line of Lincoln avenue and the south line of Atlantic avenue; and Park street between the south line of Encinal avenue and the north line of Bay Island avenue; and Central avenue from the east line of Fourth street to the west line of Bernese Boulevard, all by the construction of concrete curbing where not already in place.

LOS BANOS, Merced Co., Cal.—Engineer H. J. Brunner, Sharon Bldg., San Francisco, has been retained to prepare plans for a new water system for the City of Los Banos for which a bond election for \$96,000 will be called. New mains, pumping plant, etc., will be installed.

PORTLAND, Ore.—The Municipal Paving Plant of the City of Portland entered the lowest bid for the improvement of East Sixteenth street from Marion to Spokane at \$16,291.85. The only other bidder was the Warren Construction Co. at \$18,747.14.

SANTA ANA, Orange Co., Cal.—Until 11 A. M., November 18, bids will be received by Supervisors of Orange County for paving Olinda road in Third road district with 4-in. concrete pavement 18 ft. wide, involving 1700 cu. yds. excavation, 500 cu. yds. borrow excavation, 4535 lin. ft. shaping roadbed, 1006.3 cu. yds. Class A concrete paving, 36.7 cubic yards Class A concrete for culverts, and 2960 lbs. reinforcing steel; county to furnish sand, rock and cement f. o. b. cars. For further information address J. L. McBride, County Surveyor. J. M. Backs, Clerk.

SACRAMENTO, Cal.—Bids will be received by the County Supervisors, Fred M. Kay, County Clerk, up to November 11th, 2 P. M., for the construction of 8.9 miles of wagon road in Road District No. 3.

EUREKA, Humboldt Co., Cal.—Bids will be received by the County Supervisors, Fred M. Kay, County Clerk, up to November 11th, 2 P. M., for the construction of 8.9 miles of wagon road in Road District No. 3.

CARSON CITY, Nevada.—The following contracts have been awarded by the Nevada State Highway Commission, C. C. Cottrell, Chief Engineer: Six miles of road (graveled) 15 feet wide, south of Yerrington, awarded

to H. Francisco, Laws, Cal., at \$44,717. 28-100 mile of road between Lane City at Keystone in White Pine County, awarded to The Nevada Northern Railroad Co. at \$754.75.

Fallon sink project, road 1.3 miles east of Salt Wells to Sand Springs, 10.5 miles, to W. J. Schmidt, Berkeley, at \$67,950.

NOGALES, Ariz.—Littlejohn, Singleton & Murphy, Nogales, Ariz., submitted the only bid at a) \$47,973.35, contractor to furnish explosives, \$44,343.00 government to furnish explosives, for constructing Sec. 1 of the Oracle-Apache road in Coronado National Forest, Pima County, Ariz. This firm is now constructing a road adjacent to this project. The engineer's estimate is (b) \$49,579.14, government to furnish explosives, including 10% for contingencies. E. S. Wheeler, senior highway engineer, has recommended that the contract be let to Littlejohn, Singleton & Murphy.

LOS ANGELES, Cal.—Until 2 p. m. November 24, bids will be received by the Supervisors of the Los Angeles County Flood Control District for the construction of three steel and timber bridges over the silt diversion channel at Long Beach, in accordance with plans and specifications, which may be obtained from J. W. Reagan, Chief Engineer of the Flood Control District. Certified check for 10% required. A. M. McPherson, Clerk. The official advertisements will be published in our next issue under Proposals Wanted.

The bridges will each be 572 feet in length. One on Anaheim street will be a through girder type 50 feet wide with 14 spans of 40 feet 10 inches each; estimated cost \$60,000. One at Seventh street will be a combination through girder and deck type bridge 62 feet wide, with 50-foot roadway and space for Pacific Electric Railway tracks, and will consist of 14 spans of 40 feet 10 inches each. Estimated cost, \$125,000. One at Ocean Boulevard, will be through girder type, 50 feet wide including two sidewalks each 6 feet wide and section 15 feet 6 inches wide for railroad tracks. It will have 11 spans of 51 ft. 10 in. each; estimated cost, \$145,000. The bridges will have timber floors and all piers and abutments will be constructed of creosoted piles with creosoted sheathing.

RIVERSIDE, Riverside Co., Cal.—R. T. Shea & Co., of Riverside, submitted the only bid and was awarded the contract at \$30,940 for paving a portion of Corona-Elsinore road involving 258,318 sq. ft. 5-in. oil macadam paving and 14,930 lin. ft. shaping roadbed.

BRIDGEPORT, Mono Co., Cal.—With more than one million dollars invested in ranch properties in the Inyoeken valley, lying in Mono and Inyo counties, the farmers of that section are taking steps to secure a more adequate supply of irrigation water. They are now seeking the consent and aid of the government for the utilization of a large amount of water in the vicinity of Mono Lake, now running to waste.

A levy of ten cents per acre is contemplated to raise funds to carry out the project, which is to be based on the gravity principle.

TED BLUFF, Tehama Co., Cal.—L. D. Fox has been awarded a contract by the County Supervisors, H. G. Kuhn, County Clerk, for graveling roads in District No. 4.

NEWPORT BEACH, Orange Co., Cal.—C. D. Soteras, Black Bldg., Los Angeles, was awarded the contract at \$225,993.25 for constructing a cement pipe sewer system and sewage disposal plant for Newport Beach. Paul E. Kressley is City Engineer, and estimated the cost at \$214,582.21.

LOS ANGELES, Cal.—Until 2 P. M., November 10, bids will be received by the Supervisors for paving with 5-in. concrete 20 ft. wide, 1.01 miles of Cypress avenue, between Citrus and Grand avenues, near Covina, known as Road Improvement District No. 142. The work is to be done under the 1907 Act. Quantities: 2320 cu. yds. excavation, 5317 ft. shaping, 11,820 sq. yds. concrete pavement; materials to be furnished by contractor: 850 bbls. cement, 1973 tons gravel, 1109 tons sand; county furnishes an additional 1630 bbls. cement. Estimated cost to contractor, \$10,475; time of completion four months. Estimated total cost per mile, \$15,619.70, including engineering expense.

DINURA, Tulare Co., Cal.—The contract for extensive paving in three different parts of Dinura has been let by the City Trustees to the Federal Construction Company, Call Bldg., San Francisco.

BENICIA, Solano Co., Cal.—The City Council J. C. McAvary, City Clerk, has passed resolution of intention No. 3 for the construction of a sewer system known as the East Side Sewer District No. 2, for a salt glazed vitrified sewer pipe; 4 manholes; 4 inspection holes; 64 Y branches, with pump, motor, suction pipe, valve and strainer, float switch, pump house and pit.

LOS ANGELES, Los Angeles Co., Cal.—The City Council has instructed the public works committee to take up seriously the question of constructing the W. Jefferson street storm drain, estimated to cost \$3,000,000 and the Arroyo de la Sacatella storm drain, estimated to cost \$2,000,000. Construction of the latter has been complicated by the building of several storm drains within the assessment district and property owners paying for these will not sign petitions unless assured of only nominal assessments for the big project. The city engineer says the city has already spent \$570,000 on these two projects and is preparing plans for five more storm drains.

SACRAMENTO, Cal.—The following bid was received October 20th by the California Highway Commission for highway improvement in Tehama County as follows:

Tehama County, between two miles north of Vina and Los Molines (II-Teh 3-A), about 4.5 miles in length to be paved with Portland cement concrete.

Lynn S. Atkinson, Sacramento, \$53,489.50.

Engineer's Estimate, \$47,513.40.

No bids were received for the following work:

Del Norte County between Cushion Creek and Crescent City (I-D-N-1-B), about 4 miles in length to be graded.

MERCED, Merced Co., Cal.—The County Supervisors are considering the construction of a bridge over the San Joaquin River near a direct line between Merced and Los Banos.

It is probable that a report will be submitted by the County Surveyor at the next session of the County Board.

MERCED, Merced Co., Cal.—The City Trustees, J. D. Wood, City Clerk, has awarded contracts to A. Teichert & Son, Ochsenr Bldg., Sacramento, for the improvement of the alleys in Blocks 143 and 165 by grading, constructing concrete curbs and paving with a four inch cement concrete base.

Also for the improvement of the alley in Block 187 by grading; constructing concrete curbs and paving with a four inch cement concrete base.

OAKLAND, Cal.—The City Council has directed the City Engineer to prepare plans and specifications for the construction of sidewalks in Short street from Brockdale to Allendale avenues. L. W. Cummings, City Clerk.

HARRINGTON, Wash.—At the last meeting of the Lincoln County Commissioners held at Davenport the contract for 11 miles of the Donahue road south of Harrington was let to C. M. Payne of Spokane for \$86,348.64.

SANTA ROSA, Sonoma Co., Cal.—The City Engineer has been instructed to prepare plans and specifications for a new concrete septic tank at the sewer farm. The tank will be longer and deeper than the present ones.

UKIAH, Mendocino Co., Cal.—Gordon Baehlet of Willits, submitted the only bid to the County Supervisors for the reconstruction of the road from Des Rios to Burger Creek and this was rejected. The bid was \$50,000.

The work was ordered done under the supervision of the County Engineer. Hale Prather is County Clerk.

HANFORD, Kings Co., Cal.—Petitions are being circulated for presentation to the City Trustees urging the improvement of Redington and Porter streets. Frank E. Kilpatrick is City Attorney.

RED BLUFF, Tehama Co., Cal.—Bids will be received by H. G. Kuhn, County Clerk, up to November 10th, 19 A. M., for grading and macadamizing that portion of the Mantion road from the Dale place to Mantion.

VALLEJO, Solano Co., Cal.—County Engineer F. A. Steiger is completing a report for presentation to the County Supervisors on the improvement of portions of the Benicia road. The road is to be widened and repaired in several places.

FRESNO, Fresno Co., Cal.—County Highway Engineer Chris. Jensen is completing plans for the paving of Del Rey avenue and connecting roads from Del Rey through Farlier and into Reedley, a distance of about 12 miles.

The work will be let under two contracts.

It is probable that the Supervisors will specify asphalt concrete or black base on this portion.

SANTA ROSA, Sonoma Co., Cal.—The County Supervisors have instructed the County Engineer to prepare estimates of costs for a new county road on the east side of the Russian River between Geyserville and Cloverdale.

SANTA ROSA, Sonoma Co., Cal.—Bids will be received by the County Supervisors, Lloyd Aldrich, County Highway Engineer, up to November 12th, for the construction of the county highway between Petaluma and Sonoma, a 5 mile stretch, for the Petaluma-Valley Ford section and the Healdsburg-Napa County Line unit in Knights Valley.

Plans and further information may be had from the County Engineer at Santa Rosa.

OAKLAND, Cal.—The City Council, L. W. Cummings, City Clerk, has passed a resolution of intention (No. 19223 N. S.) providing for the improvement of Alice street between 2nd and 7th streets by grading; constructing concrete curbs and brick gutters and paving with asphalt; also the construction of a vitrified pipe sewer, 21 inches internal diameter; concrete sewer, 30 inches internal diameter; brick manholes with cast iron curbs and covers and vitrified pipe conduits, 10 inches in diameter.

SAN JOSE, Santa Clara Co., Cal.—County Clerk Henry A. Pfister has been instructed by the County Supervisors to advertise for bids to be opened November 17th, 11 A. M., for the construction of corrugated iron culverts on Villa Vista avenue; also for pipe drains in Canoas channel along the Monterey road south of San Jose, all in Supervisor District No. 2. Plans may be had from the County Clerk.

SAN JOSE, Santa Clara Co., Cal.—The County Engineer has been instructed by the Supervisors to prepare plans for a pumping plant and well at the county almshouse. Henry A. Pfister is County Clerk.

SANTA BARBARA, Santa Barbara Co., Cal.—The City Council has adopted a resolution of intention to pave Arrellaga St. between Bath and State Sts. with 4-in. concrete base and 1½-in. Warrenite surface; also to pave Santa Barbara St. between Micheltona St. and Pedregosa St. and Arrellaga St. between Santa Barbara and Garden Sts., with 4-in. concrete base and 1½-in. Warrenite surface.

RAILROADS

SAN FRANCISCO.—The Supervisors are considering the appropriation of \$17,500 with which to finance changes in the tracks and extensions of the Municipal Railway system at Geary and Stockton streets and Stockton and Market streets.

Plans for the work are now being completed by the City Engineer's office, 3rd Floor, City Hall.

SAN FRANCISCO.—The Board of Public Works has awarded a contract

to A. Meister & Sons, 403 9th St., Sacramento, for furnishing and delivering a sample car for use on the Municipal railway on a bid of labor and material plus 45%.

A request for \$12,500 has been made of the Supervisors to cover cost of the contract.

SAN FRANCISCO.—City Engineer M. O'Shaughnessy has been requested by the Supervisors to submit a report on the extension of the municipal railway in Taraval street from Thirty-third avenue to the ocean.

STOCKTON, San Joaquin Co., Cal.—It is reported in this city that Charles F. Ruggles, the millionaire who has vast holdings in Calaveras county, is to build a broad gauge railroad from Stockton to his mills at Standard City. The first link in the line is said to be the Stockton Terminal and Eastern, now constructed as far as Belota. A body of surveyors is said to be at work between that point and Mokelumne Hill via Valley Springs.

SAN FRANCISCO.—Engineer Pierre Zucco, Whittell Bldg., San Francisco, has completed plans and figures will be taken next week for putting a reinforced concrete lining in the Oakland Antioch & Eastern Railway Company's tunnel through the Berkeley hills.

FIRE EQUIPMENT.

PACIFIC GROVE, Monterey Co., Cal.—The City Trustees will shortly issue a call for bids for a fire truck. Trustee C. S. Bennett, Chairman of the Fire and Water Committee, intended to purchase such equipment from the Auto-Car Company, but after consideration it was ordered that the City Clerk call for bids for various makes of machines.

BUILDING IN NEW ZEALAND.

AUCKLAND, N. Z.—Buildings are being constructed in New Zealand not according to tender contract but on a percentage basis, reports the vice consul at Auckland; that is, the contractor agrees to put up the building for whatever the material and labor cost him plus a certain percentage, which is his commission. Builders do not care to tender at contract prices while labor and wages are so unsteady and cost of materials, especially imported builders' supplies, fluctuate so greatly. Construction work continues to boom throughout New Zealand, although it is somewhat handicapped by the present coal shortage, as the government has prohibited the carrying of building materials on the railways during the coal crisis.

WAREHOUSE SPACE WANTED.

Warehouse space wanted in a three-story building about 200x200 feet with spur track facilities.

Warehouse space wanted in building with about ten thousand square feet floor area either one or two stories with spur track facilities.

Submit propositions to Industrial Department Chamber of Commerce, Merchants' Exchange Bldg.

CONTRACTS AWARDED

Liens, Acceptances, Etc.

BUILDING CONTRACTS.

San Francisco County.

The following is an index for the contracts for this issue.

No.	Owner	Contractor	Amt.
2347	Traina	Ahl	3000
2348	Lassalle	Becaaas	1900
2349	Bindel	Sandberg	3000
2350	Hudson Fur	Maisler	1500
2351	Castagne	Metter	4000
2352	Urban Rity	Duncan	9000
2353	Italian	Reinando	600
2354	Brown	Coburn	4000
2355	Recorder Pub Co	Owner	9800
2356	Jackson	Taylor	5000
2357	Nelson	Nelson	3000
2358	Raymond	Swanson	1400
2359	Lennons	Kragen	1000
2360	Cheeswright	Thunberg	1295
2361	Flood	Ruegg	450
2362	Valente	Valente	400
2363	Phelan	Phelan	400
2364	Gump	Scott	4460
2365	Doyle	Dice	3500
2366	Sheldon	Jensen	1750
2367	Eickorst	Walker	450
2368	Morrisey	Morrisey	600
2369	Dakin	Welsh	9000
2370	Peterson	Peterson	35000
2371	Praet	Wagner	4000
2372	Schoenberg	Owner	10000
2373	Hiadik	Hiadik	35000
2374	Art Tailoring	Schlot	4000
2375	Savory	Sartorio	14000
2376	Same	Petersen	1685
2377	Same	Lacey	6995
2378	Levin	G G Iron Wks	12500
2379	Schafer	Munster	11000
2380	Hewitt	Grieb	4000
2381	Jacob	Western	1500
2382	Curtaz	Helbing	40000
2383	McCants	Diestel	1000
2384	Murray	Munster	1121
2385	Arnold	Guilfoxy	500
2386	Simmons	Peake	25000
2387	Bass	Foundation	60000
2388	Tozer	Western Hdq	425
2389	Globe Grain	Larsen	6000
2390	Houghtelen	Ruegg	6000
2391	Lachman	Lachman	25000
2392	Perigo	Kincannon	3000
2393	Komethoef	S F Owen	2500
2394	Widner	Persson	600
2395	Hind	Frichette	400
2396	Mr. Zion	Bartlett	600
2397	Bauer	Bauer	6000
2398	Anderson	Anderson	8000
2399	Georgian	Owner	4000
2400	Halket	Hatch	1500
2401	Mary's Help	Kunst	2940
2402	McCarthy	Moller	1325
2403	Neilan	Pasqualetti	38615
2404	Hansen	Hansen	12000
2405	Stevens	Stevens	7000
2406	Cohn	Cohn	1000
2407	McCarthy	Helbing	1750
2408	McAllister	Hansen	950
2409	Thompson	Smith	425
2410	Hart	Stiefel	595
2411	Meyer	Meyer	8600

(2347) No. 333 CALIFORNIA. General alterations for candy store.
Owner—A. Traina & Co., 24 Leidesdorff, San Francisco.
Architect—Alfred Kuhn, 833 Market, San Francisco.
Contractor—G. E. Ahl, 1237 2nd Ave., San Francisco.

COST, \$3000

(2348) No. 19 CAYUGA. Raise, move and add two rooms to dwelling.
Owner—J. Lassalle, Premises.
Architect—Fabre & Bearwald, 625 Market, San Francisco.
Contractor—B. Becaaas, 915 Pacific Ave., San Francisco.

COST, \$1900

(2349) No. 80 ELLIS. Alter for Cafeteria.
Owner—Spalding, Lacey & Bindel, 80 Ellis, San Francisco.
Architect—None.
Contractor—G. Sandberg, 1141 Lake St., San Francisco.

COST, \$3990

(2350) No. 222 POWELL. Alter store front and move stairs.
Owner—Hudson Bay Fur Co., Premises.
Architect—None.
Contractor—Ben Maisler, 777 Ellis, San Francisco.

COST, \$1500

(2351) N SEVENTEENTH 30 E Capp. Two-story frame workshop.
Owner—Castagne & Duncasse, 3238 17th, San Francisco.
Architect—None.
Contractor—Louis Metter, 1544 Hudson Ave., San Francisco.

COST, \$4000

(2352) W VICTORIA 129 S Ocean Ave. Two-story and basement frame dwelling.
Owner—Urban Realty & Improvement Co., 85 Cerritos Ave., S. F.
Architect—C. E. Gottschalk, 958 Phelan Bldg., San Francisco.
Contractor—W. C. Duncan & Co., 205 Sharon Bldg., San Francisco.

COST, \$9000

(2353) NW FELL AND OCTAVIA. Brick foundation, etc., for auto repair shop.
Owner—Italian American Auto Repair Shop, 1624 Stockton, S. F.
Architect—None.
Contractor—A. Reinando Co., 71 Bernard, San Francisco.

COST, \$600

(2354) S PINE 137-6 E Jones. Concrete bulkhead.
Owner—David Brown, 783 Mills Bldg., San Francisco.
Engineer—H. J. Brunnier, Sharon Bldg San Francisco.
Contractor—Ira W. Coburn, 180 Jessie, San Francisco.

COST, \$1000

(2355) S STEVENSON bet. 7th and 8th. Two-story brick book bindery.
Owner—Recorder Printing & Publishing Co., 769 Stevenson, S. F.
Architect—None.
Day's work.

COST, \$9800

(2356) NW WILDWOOD AND EASTWOOD. One-story and basement frame dwelling.
Owner—Edith E. Jackson, 524 46th Ave., San Francisco.
Architect—Milton W. Morrison, 716 41st Ave., San Francisco.
Contractor—Taylor & Jackson, 409 Call Bldg., San Francisco.

COST, \$5000

(2357) E THIRTIETH AVE 234 S Lincoln Way. One and one-half-story frame dwelling.
Owner—Fernando Nelson & Sons, West Portal Park, San Francisco.
Architect—None.
Day's work.

COST, \$3000

(2358) No. 4350 MISSION. Alter office.
Owner—Dr. Axel Raymond, Premises.
Architect—Chas. F. Strothoff, 2276 15th, San Francisco.
Contractor—Ernest Swanson, 311 Lowell St., San Francisco.

COST, \$1400

(2359) No. 752 MARKET. Alter show windows.
Owner—Lennon's Glove House, Prem.
Architect—None.
Contractor—Louis Kragen, 743 Gough, San Francisco.

COST, \$1000

(2360) No. 257 FOURTEENTH AVE. (rear). One-story frame dwelling.
Owner—R. Cheeswright, 255 14th Av., San Francisco.
Architect—None.
Contractor—Oscar W. Thunberg, 678 9th Ave., San Francisco.

COST, \$1995

(2361) No. 2222 BROADWAY. Erect frame to hold canvas for one day only.
Owner—Jas. Flood, Premises.
Architect—None.
Contractor—Ruegg Bros., 719 Pacific Bldg., San Francisco.

COST, \$450

(2362) No. 2789 CLAY. Alter for two flats.
Owner—Sadie Valente, 1816 Broderick, San Francisco.
Architect—None.
Contractor—A. Valente, 1816 Broderick, San Francisco.

COST, \$400

(2363) No. 1832 NINETEENTH AVE. Plaster and paint dwelling.
Owner—Patrick J. Phelan, 321 Duncan, San Francisco.
Architect—None.
Day's work.

COST, \$400

(2364) No. 236-240 POST. All work for heating and ventilating apparatus for store building.
Owner—S. & G. Gump Co., Premises.
Architect—Sam L. Hyman, Crocker Bldg., San Francisco.
Engineers—Leland & Haley, 58 Sutter, San Francisco.
Contractor—Scott Co., 243 Minna St., San Francisco.

Filed Oct. 28, '19. Dated Oct. 22, '19.
Galvanized iron duct work done \$1486.33
Completed and accepted 1486.33
Usual 35 days 1487.34
TOTAL COST, \$4460.00
Bond, none. Limit, 20 days. Forfeit, none. Plans and specifications filed.

(2365) N NORIEGA 82-6 W 18th Ave.
One and one-half-story and basement
frame dwelling.
Owner—Martha H. Doyle, 1714 Clay St.,
San Francisco.
Architect—J. M. Dice, 774 11th, Oakland
Contractor—E. A. Dice, 774 11th St.,
Oakland.

COST, \$3500

(2366) SW FORD AND SANCHEZ.
Laise and underpin and alter for 2
garages.
Owner—F. F. Sheldon, 2008 Mission St.,
San Francisco.
Architect—None.
Contractor—Jas. Jensen, 550 Valencia
St., San Francisco.

COST, \$1750

(2367) NW GREENWICH & PIERCE.
Add to front; concrete floor.
Owner—H. G. Eickorst, Premises.
Architect—None.
Contractor—G. H. Walker, 2174 Union,
San Francisco.

COST, \$450

(2368) NO. 3046 SAN JOSE AVE.
Move and alter for flats.
Owner—J. H. Morrissey, Premises.
Architect—None.
Day's work.

COST, \$600

(2369) N CARL 154 E Cole. Two-story
and basement frame (2) flats.
Owner—Francis Dakin, 76 Carl, S. F.
Architect—None.
Contractor—Jas. Welsh, 2040 Balboa,
San Francisco.

COST, \$9000

(2370) NW BRODERICK & GOLDEN
Gate Ave. Three-story frame (12)
apartments.
Owner—Ed. T. Peterson et al, 8th and
Hooper, San Francisco.
Architect—None.
Contractor—James Welsh, 2040 Balboa,
San Francisco.

COST, \$35,000

(2371) N HOWARD 68-9 W Spear.
Two-story concrete warehouse.
Owner—Orville C. Pratt, 1818 California
St., San Francisco.
Architect—Bakewell & Brown, 251
Kearny St., San Francisco.
Contractor—George R. Wagner, 251
Kearny, San Francisco.

COST, \$40,000

(2372) N POST 70 W Leavenworth.
One-story brick stores.
Owner—Pauline Schoenberg, 2010
Pacific Ave., San Francisco.
Architect—Mel I. Schwartz, Nevada Bk.
Bldg., San Francisco.
Day's work and Sub-Contracts.

COST, \$10,000

(2373) S PINE 60 W Stockton. Three
story and basement frame (23) apart-
ments.
Owner—Anna Hladik, 825 Monadnock
Bldg., San Francisco.
Architect—J. C. Hladik, Monadnock
Bldg., San Francisco.
Day's work and Sub-Contracts.

COST, \$35,000

(2374) NO. 16 MASON. New front,
shelves, etc., for store.
Owner—Art Tailoring Co., 39 5th, S. F.
Architect—N. B. Coulter, 46 Kearny,
San Francisco.
Contractor—Schultz Constr. Co., 46

Kearny, San Francisco.

COST, \$4000

NOTE:—Work under way.

(2375) S SUTTER 160-5 E Jones. Con-
crete walls forms for walls, etc., for
a five story and basement rein-
forced concrete apartment building.
Owner—John R. Savory, 1540 Clay St.,
San Francisco.

Architect—Rousseau & Rousseau, 110
Sutter St., San Francisco.
Contractor—C. Sartorio, 110 Jessie St.,
San Francisco.

Filed Oct. 29, '19. Dated Oct. 2, '19.
When pour is completed on each
story

Bond, Sureties, Forfeit, Limit, none.
Plans and specifications filed.

(2376) STEAM HEATING ON ABOVE.
Contractor—C. Petersen Co., 730 Lar-
kin, San Francisco.

Filed Oct. 29, '19. Dated Oct. 29, '19.
On 10th of each month

Bond, Sureties, Forfeit, none. Limit,
as soon as possible. Plans and speci-
fications filed.

(2377) PLUMBING, GAS & WATER
fitting on above.
Contractor—E. V. Lacey, 180 Jessie St.,
San Francisco.

Filed Oct. 29, '19. Dated Oct. 25, '19.
Roughed in

Bond, Sureties, Forfeit, none. Limit,
as soon as possible. Plans and speci-
fications filed.

(2378) SE CLEMENT AND NINTH
Ave. Extend balcony of theatre
building.
Owner—S. H. Levin, Premises.
Architect—Reid Bros., California-Paci-
fic Bldg., San Francisco.

Contractor—Golden Gate Iron Works,
1541 Howard, San Francisco.

COST, \$12,500

(2379) N CLAY 75 E Steiner. Two-
story and basement frame dwelling.
Owner—G. F. Schafer, 2211 California,
San Francisco.

Architect—None.
Contractor—Munster & Bornholdt, 1530
Broderick, San Francisco.

COST, \$11,000

(2380) N FILBERT 185 E Van Ness
Ave (rear). One-story and basement
frame dwelling.
Owner—Mrs. J. A. Hewitt, 2600 Larkin,
San Francisco.

Architect—None.
Contractor—Henry T. Grieb, 1020
Greenwich, San Francisco.

COST, \$4000

(2381) NO. 1655 FILLMORE. Fitting
up for show windows.
Owner—B. Jacobs and G. Renbald,
Premises.

Architect—None.
Contractor—Western Hardwood Mfg.
Co., 1034 Golden Gate Ave., S. F.

COST, \$1900

(2382) N GOLDEN GATE AVE 55 E
Gough. Three-story reinforced con-
crete stores and sales rooms.
Owner—Oscar H. Curtaz, 521 Hayes,

San Francisco.

Plans by Owner.
Superintendent—W. Helbing, 521 Hayes
San Francisco.

COST, \$40,000

(2383) NO. 927 LAKE. Repair fire
damage.

Owner—M. McCants, 709 Holbrook
Bldg., San Francisco.
Architect—None.

Contractor—John Diestel, 218 Russ
Bldg., San Francisco.

COST, \$1000

(2384) NO. 1651 DIVISADERO. Gen-
eral alterations for dwelling.

Owner—Mrs. M. Murray, 1616 Mc-
Allister, San Francisco.

Architect—None.
Contractor—Munster & Bornholdt, 1530
Broderick, San Francisco.

COST, \$1121

(2385) No. 830 MARKET. Galvanized
iron marquee.

Owner—Mr. Arnold, Premises.
Architect—None.

Contractor—Guilfooy Cornice Works,
229 8th, San Francisco.

COST, \$500

(2386) S NORTH POINT 109 E Powell.
Three-story frame warehouse.

Owner—Simmons Co., 180 Bay, S. F.
Architect—None.

Contractor—Frank B. Peake, 1247 42nd
Ave., San Francisco.

COST, \$25,000

(2387) TWENTY-THIRD, KANSAS &
Rhode Island. Two-story frame box
and can storage building, 34x100, and
three-story frame warehouse, 181-6x
36.

Owner—Bass Hueter Paint Co., 816
Mission, San Francisco.

Architect—The Foundation Co.
Contractor—The Foundation Co., 58
Sutter, San Francisco.

COST, \$20,000 and \$40,000 respectively

(2388) NO. 439 SUTTER. Alter store
front.

Owner—The Tozer Co., 429 Sutter St.,
San Francisco.

Architect—None.
Contractor—Western Hardwood Mfg.
Co., 1034 Golden Gate Ave., S. F.

COST, \$425

(2389) MONTGOMERY & CHESTNUT.
One-story concrete addition for of-
fices.

Owner—Globe Grain & Milling Co.,
Premises.

Architect—None.
Contractor—H. H. Larsen & Bro., Lick
Bldg., San Francisco.

COST, \$6000

(2390) E MADRONE bet Taraval and
Ulloa. Two-story and basement
frame dwelling.

Owner—Augusto Houghtelen.
Architect—None.

Contractor—Rueg Bros., Pacific Bldg.,
San Francisco.

COST, \$6000

(2391) W CAPP 100 S 16th. Five-
story brick addition for warehouse.

Owner—Lachman Bros., Mission and
16th, San Francisco.

Architect—S. Heiman, 57 Post St., San
Francisco.

Day's work and Sub-Contracts.

COST, \$23,000

(2382) E HYDE 112-6 N Turk. Addition of 22-6 for auto building. Owner—Mrs. F. L. Perigo. Architect—C. O. Clausen, 1128 Hearst Bldg., San Francisco. Contractor—J. G. Kincaid, Care Architect.

COST, \$3000

(2393) N FELL 82½ W Gough. Erect brick bake oven. Owner—A. Komsthoft, 527 Castro, San Francisco. Architect—Walter C. Falch, Hearst Bldg., San Francisco. Contractor—S. F. Owen Co., 1265 Eddy San Francisco.

COST, \$2250

(2394) NO. 503 DIVISADERO. General alterations for store. Owner—M. Widner, Premises. Architect—None. Contractor—Jack Persson, 702 Divisadero, San Francisco.

COST, \$600

(2395) NO. 230 CALIFORNIA. Alter for offices. Owner—Hind Estate Co., Premises. Architect—None. Contractor—Frichette Bros., 50 Washington, San Francisco.

COST, \$400

(2396) NW POST AND SCOTT. Erect lath and plaster partition and install basin. Owner—Mt. Zion Hospital Co., Prem. Architect—J. E. Kraft, Phelan Bldg., San Francisco. Contractor—Barrett & Hilp, Sharon Bldg., San Francisco.

COST, \$600

(2397) WESTWOOD PARK LOT 2 BLK 3196. One-story and basement frame dwelling. Owner—Lucy A. Bauer and A. Quinn, 2506 23rd Ave., San Francisco. Architect—None. Contractor—L. A. Bauer, 2506 23rd Ave., San Francisco.

COST, \$6000

(2398) W EASTWOOD DRIVE 205 & 245 N Wildwood. Two one-story and basement frame dwellings. Owner—Hilding Anderson, 1858 Fell, San Francisco. Architect—H. C. Bauman, 251 Kearny, San Francisco. Day's work.

COST, \$4000 each

(2399) NO. 957 MARKET. Remodel bath house. Owner—Chas. Georgian, Premises. Architect—None. Day's work.

COST, \$4000

(2400) NO. 1245 HARRISON. Move building and build concrete piers. Owner—W. D. Halket, Premises. Architect—None. Contractor—H. L. Hatch, 4439 Geary, San Francisco.

COST, \$1500

(2401) SE GUERRERO & CLINTON Park 8 160XE 220. Exterior painting of sheet metal and wood work for four-story reinforced concrete building. Owner—Mary's Help Hospital, Prem. Architect—D. E. Graham, 1100 Franklin St., San Francisco. Contractor—A. H. Kunst, 18 Chesley St., San Francisco.

Filed Oct. 31, '19. Dated Oct. 31, '19. On 15th and 1st of each month 75% Usual 35 days. TOTAL COST, \$2940

Bond, none. Limit, 40 days. Forfeit, plans and specifications, none.

(2402) E HOWARD 135 N 13th. All work for wrecking present building and erecting wagon shed. Owner—John McCarthy & Son, 146 Battery, San Francisco. Architect—None. Contractor—Fred Moller, 572 Haight, San Francisco.

Filed Oct. 31, '19. Dated Oct. 30, '19. One-half completed. Balance Completed and accepted. TOTAL COST, \$1325

Bond, none. Limit, 30 days. Forfeit, plans and specifications, none.

(2403) S MISSION 175 W Sixth W 100 xS 150. All work except gasoline pump for one-story and basement concrete garage. Owner—T. J. Neilan, 316 Bush, S. F. Architect—Paul F. De Martini and R. B. Cleghorn, 2123 Powell, S. F. Contractor—G. B. Pasqualetti, 110 Jessie, San Francisco.

Filed Oct. 31, '19. Dated Oct. 28, '19. Steel set in main floor. \$4,000.00 Concrete poured to main floor. 4,000.00 Steel set in roof slab and fire walls. 5,000.00 Concrete poured to top of fire walls. 5,000.00 Completed and accepted. 10,961.25 30 days after. 9,652.75

TOTAL COST, \$38,615.00 Bond, \$19,307.50. Surety, London & Lancashire Indemnity Co. Limit, 90 days. Forfeit, none. Plans and specifications filed.

(2404) N NORTHWOOD 300 AND 350 W Miramar. Two one-story and basement frame dwellings. Owner—W. Hansen and H. J. Hansen, 1327 20th Ave., San Francisco. Architect—Ida F. McCain, 318 Kearny, San Francisco. Contractor—H. J. Hansen, 1327 20th Ave., San Francisco.

COST, \$6000 each

(2405) E SEVENTEENTH AVE 100 N Fulton. Two-story and basement frame (2) flats. Owner—A. Stevens, 2507-A Polk, S. F. Architect—None. Day's work.

COST, \$7000

(2406) SW VAN NESS AND WILLOW Aves. Alter fronts. Owner—Louis J. Cohn, 625 Market St., San Francisco. Architect—None.

Day's work.

COST, \$1000

(2407) NO. 2811 BUCHANAN. General repairs for dwelling. Owner—C. V. McCarthy, 244 Pine St., San Francisco. Architect—None. Contractor—Geo. Healing, 110 Jessie, San Francisco.

COST, \$1750

(2408) NO. 3028½ BUCHANAN. Repair fire damage. Owner—Wm. McAllister, Premises. Architect—None. Contractor—Peter Hansen, 2052 Union St., San Francisco.

COST, \$950

(2409) NO. 521 CLEMENT. Alter for bakery. Owner—Walter S. Thompson Estate. Architect—None.

Contractor—Robt. F. Smith, 433 Clementina St., San Francisco.

COST, \$425

(2410) NW CALIFORNIA AND 25th Ave. Addition for auto washing building.

Owner—Mark I. Hart, 2840 California, San Francisco. Architect—None. Contractor—John W. Stiefel, 184 23d Ave., San Francisco.

COST, \$595

(2411) E TWENTY-FOURTH AVE 250 N Balboa N 50XE 120. All work for two six-room and bath frame dwellings.

Owner—Rollin E. Meyer, 2628 Anza, San Francisco. Architect—None. Contractor—Meyer Bros., 2628 Anza, San Francisco.

Filed Nov. 1, '19. Dated Oct. 25, '19. Frames up. \$2150 Brown coated. 2150 Completed and accepted. 2150 Usual 35 days. 2150

TOTAL COST, \$8600

Bond, none. Limit, 90 days. Forfeit, \$1. Plans and specifications, none.

COMPLETION NOTICES.

San Francisco County

Oct. 24, 1919—E FORTY-FOURTH AVE 225 S Judah S 50XE 120. Oscar C. Crocker and Exir Estate Sarah C. Colner to Jas Andrews. Oct. 24, 1919 Oct. 25, 1919—N OCEAN AVE 45 E Oleaga. Dominic Tiscornia to whom it may concern. Oct. 25, 1919 Oct. 28, 1919—W TWENTY-SIXTH AVE 120 and 145 S Geary S 25xW 125. Wm A. Savage to whom it may concern. Oct. 28, 1919 Oct. 28, 1919—SE WELSH 227-6 SW Zoe SW 62-6XE 100. The National Bolt Works to Alfred H. Vogt. Oct. 28, 1919 Oct. 28, 1919—S GEARY 92-6 W Powell W 45xS 127-6. T W Corder, Inc. to Francis O'Reilly. Oct. 28, 1919 Oct. 29, 1919—LOT 20 BLK 26 Crocker Amazon Tract (N Munich 250 E Cordova). Crocker Estate Co to Albin Samuelson. Oct. 28, 1919 Oct. 29, 1919—LOT 9 BLK 12 Crocker Amazon Tract (N Rolph 210 E Newton). Crocker Estate Co to Albin Samuelson. Oct. 28, 1919 Oct. 29, 1919—LOTS 24 AND 25 BLK 23 Crocker Amazon Tct. (E Naples 25 N Seville and NE Naples and Seville). Crocker Estate Co to Albin Samuelson. Oct. 28, 1919 Oct. 29, 1919—LOT 10 BLK 23 Crocker Amazon Tct. (N Seville 140 W Cordova). Crocker Estate Co to Albin Samuelson. Oct. 28, 1919 Oct. 29, 1919—E FIFTEENTH AVE 375 N Fulton N 25xE 127-6. Thos H O'Connor to N John Nelson. Oct. 28, 1919 Oct. 29, 1919—NE BUSH AND MONROE E 20XN 68-6. Gerard Investment Co to whom it may concern. Oct. 24, 1919 Oct. 29, 1919—CALIFORNIA, CORNWALL AND Fifth Aves. Associated Oil Co to Barrett & Hilp. Oct. 28, 1919 Oct. 29, 1919—W TWENTY-SIXTH AVE 145 S Geary S 25xW 125. Wm A. Savage to whom it may concern. Oct. 28, 1919 Oct. 29, 1919—W TWENTY-SIXTH AVE 120 S Geary S 25xW 125. Wm A. Savage to whom it may concern. Oct. 28, 1919 Oct. 30, 1919—W EASTWOOD DRIVE and N line lot 6, S 40, N 86 deg. 03 min. 01 sec., W 109.147, N 83.746, S

86 deg. 27 min. 9 sec. E 114.681
lot 6 ptn 7. Blk 3164, Westwood
Park. Hilding Anderson to An-
derson & Johnson.....Oct. 30, 1919
Oct. 31, 1919—N E FIFTH AVE. AND
Irving E 95XN 60. Christ Church
Lutheran to Grace & Bernier.....
.....October 31, 1919
Oct. 31, 1919—129 TO 145 BROAD-
way. Società Di Mulino Soccorso
Della Compagnia Garibaldi to G.
B Pasqualetti.....Oct. 22, 1919

LIENS FILED.

San Francisco County.

Nov. 1, 1919—E EIGHTEENTH 50 N
Mississippi 25 on E 18th—N S
Hanson vs L Abbate.....\$310
Oct. 31, 1919—E SHOTWELL 280 S
18th S 50X E 175. J T Thorpe &
Son vs Hind Estate Co and Baden-
hausen Co.....\$571.75
Oct. 22, 1919—E TWENTY-THIRD
AVENUE S JUDAH S 25X E 175 S W
150-4 m or 1 E 28-7 N 175 W 120.
L Ronco vs Edw and Etta S Perk-
ins.....\$30

BUILDING CONTRACTS.

Alameda County.

3331 Mitchell	Nelson	14000
3332 Safe Rlty	Short	5600
3333 Merrill	Shrader	640
3334 Kletzker	Nielsen	—
3335 Takaki	Owner	2500
3336 Langbelin	Owner	1750
3337 Pfang	Pfang	2450
3338 Braswell	Graff	1650
3339 Graff	Graff	9000
3340 Benke	Klun	1200
3341 Molinari	Owner	600
3342 Raiser	Hambleton	400
3343 Krusell	Barnard	400
3344 Westman	Westman	600
3345 Pencovic	Frankmaun	500
3346 Worcester	Westlund	2375
3347 Haste	Hopper	7850
3348 Northbrae	Hoyt	35000
3349 Neary	Neary	2000
3350 Hinch	Parker	2250
3351 Baker	Baker	5000
3352 Asumma	Owner	4750
3353 Moeller	Scott	1000
3354 Spangler	Bond	500
3355 Kelleher	Owner	450
3356 Cross	Cross	425
3357 Shrock	Burks	600
3358 Rickard	Bilder	2075
3359 Eklv Ed Ed	Meale	17245
3360 Parker	Hendrickson	5500
3361 Pfrang	Pfrang	2000
3362 Stephensen	Conner	3000
3363 Elise	Pearson	4000
3363 Steinberg	Horton	3000
3364 Crane	Crane	3000
3365 Laymance	Tose	160
3366 Rlty Syndicate	Owner	10000
3367 Pfrang	Pfrang	4000
3369 Coogan	Burton	2638
3370 Weinmann	Frostholm	1900
3371 Myer	Myer	1200
3372 Bick	Tylen	400
3373 Mackae	Mackae	75
3374 Long	Nelson	45000
3375 W C Kalsomine	Owner	750
3376 Glover	Skidmore	400
3377 Beliefsen	Perguson	1250
3378 Jeffers	Jeffers	500
3379 Hayaski	Woodard	2000
3380 Moore	Watson	9227
3381 Hunter	Texdahl	10000
3382 Bauman	Morris	12000
3383 Albera	Cereghino	3000
3384 Goranson	Goranson	1900
3385 Larsen	Larsen	15000
3386 Hughes	Hughes	1000
3387 Rlty Syndicate	Bacous	3560
3388 Same	Picard	578
3389 Same	Frostholm	4350

GARAGE

(3331) SE TWENTY-THIRD AND
Webster, Oakland. One-story con-
crete garage.
Owner—H. A. Mitchell, 40th and
Shafter Ave., Oakland.
Architect—Reed & Corlett, Oakland Bk.
of Savings Bldg., Oakland.
Contractor—Nelson & Forsyth, Union
Savings Bank Bldg., Oakland.
COST, \$14,300

DWELLINGS

(3332) S DELAWARE 190 and 230 E

Peralta Ave., Oakland. Two one-
story 5-room dwellings.
Owner—Safe Realty Co., Bacon Bldg.,
Oakland.
Architect—None.
Contractor—C. W. Short, 245 Acton
Place, Oakland.
COST, \$2800 each

(3333) NO. 2415 FULTON, Berkeley.
Repairs.
Owner—W. H. Merrill, 1667 Shattuck
Ave., Berkeley.
Architect—None.
Contractor—J. F. Shrader, 520 16th.
Oakland.
COST, \$646

(3334) FIFTY-SIXTH ST. near Dover
St., Oakland. All work for two one-
story 4-room apartments.
Owner—Edward Kletzker, 1514 Jack-
son, Oakland.
Architect—None.
Contractor—H. Nielsen, 4127 24th, San
Francisco.
Filed Oct. 27, '19. Dated ____.
TOTAL COST, \$—
Bond, limit, forfeit, none. Specifica-
tions only filed.

(3335) NO. 2539 FULTON (rear), Ber-
keley. Two-story 12-room apart-
ments.
Owner—B. Takaki, R. F. D. 130, San
Leandro.
Architect—None.
Day's work. COST, \$2500
(3336) NW BIRDSALL AVE AND
Fleming, Oakland. One-story 4-room
dwelling.
Owner—Peter Langbelin, 5050 Birdsall
Ave., Oakland.
Architect—None.
Day's work. COST, \$1750

(3337) E CLAREMONT AVE 150 S
Hardy, Oakland. One-story 5-room
dwelling.
Owner—C. J. Pfrang, 480 Forest, Okd.
Architect—None.
Day's work. COST, \$2450

(3338) N FORTY-FOURTH 230 E
Telegraph Ave., Oakland. One-story
3-room dwelling.
Owner—Mrs. Braswell, 1926 Broad-
way, Oakland.
Architect—None.
Contractor—Edwin C. Graff, 1926
Broadway, Oakland.
COST, \$1650

(3339) SW RAND AND COTTAGE,
Oakland. Two-story 9-room dwlg.
Owner—Edwin C. Graff, 1926 Broadway,
Oakland.
Architect—None.
Day's work. COST, \$9000

(3340) NO. 3027 FILBERT, Oakland.
Alterations.
Owner—Henry R. Benke, Premises.
Architect—None.
Contractor—Fred Klun, 414 Moss Ave.,
Oakland.
COST, \$1200

(3341) NO. 5387 BRYANT AVE., Oak-
land. Alterations.
Owner—James Molinari, Premises.
Architect—None.
Day's work. COST, \$600

(3342) NO. 5332 E-TENTH, Oakland.
Alterations.

Owner—Geo. W. Raiser, 3189 Hollis,
Oakland.
Architect—None.
Contractor—Fred Hambleton, 3737 13th
Ave., Oakland.
COST, \$400

(3343) SE NINTH AND HARRISON,
Oakland. Fire repairs.
Owner—D. S. Krusell.
Architect—None.
Contractor—C. S. Barnard, 591 24th.
Oakland.
COST, \$400

(3344) N THENOR opp. Chevrolet
Factory, Oakland. One-story 2-room
dwelling.
Owner—Ed. L. Westman, 6246 Broad-
way, Oakland.
Architect—None.
Day's work. COST, \$500

(3345) NO. 735 WASHINGTON, Oak-
land. Alterations.
Owner—A. S. Pencovic, Premises.
Architect—None.
Contractor—C. H. Frankmaun, El Cer-
rito, Cal. COST, \$500

(3346) NO. 2063 OAKLAND AVE.,
Piedmont. All work for garage, re-
taining wall, bathroom and 2 flights
of steps.
Owner—Sarah C. Worcester, Premises.
Architect—Albert Farr, 68 Post St.,
San Francisco.
Contractor—Fred Westlund, 2207 10th
Ave., Oakland.
Filed Oct. 27, '19. Dated Oct. 25, '19.
12th and 27th of each month.. 75%
Usual 35 days.....Balance
TOTAL COST, \$2375.50
Bond, none. Limit, 30 days. Forfeit,
none. Plans and specifications filed.

(3347) W 25 LOT 20 and E 40 Lot 21
Map Craig Ppty, Piedmont. All work
for two-story 9-room dwelling.
Owner—Julie I. Haste, 110 Mesa Ave.,
Oakland.
Architect—None.
Contractor—Marshall E. Hopper, 12
Linda Ave., Oakland.
Filed Oct. 28, '19. Dated Oct. 25, '19.
1st floor joists on.....\$ 850
Frame up.....2000
Brown coated.....2000
Completed.....2000
Usual 35 days.....1000
TOTAL COST, \$7850
Bond, none. Limit, 90 days. Forfeit,
none. Plans and specifications filed.

CHURCH

(3348) E THE ALAMEDA COR. Los
Angeles, Berkeley. Two-story 12-
room church.
Owner—Northbrae Presbyterian Church
Architect—J. H. Thomas, 1st National
Bank Bldg., Berkeley.
Contractor—H. P. Hoyt, 1675 Marin
Ave., Berkeley.
COST, \$35,000

(3349) W TWENTY-SIXTH AVE 100
N E-21st, Oakland. One-story 4-room
dwelling.
Owner—Wm. F. Neary, 1701 Telegraph
Ave., Oakland.
Architect—None.
Day's work. COST, \$2000

(3350) SE FOURTEENTH AVE AND
E-21st, Oakland. One-story 5-room
dwelling.

Owner—E. M. Hinch, 393 Bellevue Ave., Oakland.
 Architect—None.
 Contractor—Jos. Parker, 944 E-14th, Oakland.

COST, \$2250

(3351) N COTTAGE 100 W Ohio, Oakland. Two-story 6-room dwelling.
 Owner—W. J. Baker, 546 30th, Okd.
 Architect—None.
 Day's work.

COST, \$5000

(3352) S HAWWOOD AVE 95 W Ross, Oakland. Two-story 8-room dwelling.
 Owner—L. Asumaa, 1605 Harmon St., Oakland.
 Architect—None.
 Day's work.

COST, \$4750

(3353) NO. 1811 FORTIETH AVE., Oakland. One-story 3-room dwelling.
 Owner—Wm. Moelles, Premises.
 Architect—None.
 Contractor—G. A. Scott, 685 23rd St., Oakland.

COST, \$1000

(3354) NO. 464 FORTY-FIRST, Oakland. Alterations.
 Owner—Jas. A. Spangler, Premises.
 Architect—None.
 Contractor—Jas. R. Bond, 3536 Douglass, Oakland.

COST, \$500

(3355) NO. 526 FIFTY-EIGHTH, Oakland. Alterations.
 Owner—Mrs. W. Kelleher, 520 58th St., Oakland.
 Architect—None.
 Day's work.

COST, \$450

(3356) NO. 1749 EIGHTY-FIFTH AV., Oakland. Two-story garage.
 Owner—D. M. Cross, Premises.
 Architect—None.
 Day's work.

COST, \$425

(3357) NO. 305 PERKINS, Oakland. Garage.
 Owner—R. S. Shrock.
 Architect—None.
 Contractor—C. E. Burks, 4152 Randolph Ave., Oakland.

COST, \$500

(3358) NO. 2722 BANCROFT WAY, Berkeley. Alter barn into dwelling.
 Owner—Mrs. Alice Rickard, Premises.
 Architect—None.
 Contractor—H. C. Kidder, 2075 Addison St., Berkeley.

COST, \$2050

(3359) SE OREGON ST., bet. Grant St. and McGee Ave., Berkeley. Brick work and imitation stone work for alterations and addition to Edison School.

Owaer—Berkeley School District of Alameda County.
 Architect—Walter H. Ratcliff Jr., 1st National Bank Bldg., Berkeley.
 Contractor—Mealey & Collins, 180 Jessie St., San Francisco.

Filed Oct. 29, '19. Dated Oct. 20, '19.
 On 10th of each month..... 75%
 Usual 35 days..... 25%

TOTAL COST, \$ 17,245

Bonds, \$8750 and \$8750. Surety, Fidelity & Casualty Co. Limit, 90 days.
 Forfeit, none. Plans and specifications none.

(3360) SE CEDAR AND TENTH, Berkeley. One-story 5-room dwelling.

Owner—C. J. Pfarrang, 480 Forest St., Oakland.
 Architect—None.
 Day's work.

COST, \$2000

(3361) 2520 HASTE, Berkeley. Alterations and addition to dwelling.
 Owner—Thomas J. Stephensen, Prem.
 Architect—None.
 Contractor—Conner & Conner, Berkeley Way and Shattuck, Bkly.

COST, \$3000

(3362) NO. 1972 MARIN AVE., Berkeley. One-story 6-room dwelling.
 Owner—Ralph R. Elise, 1915 Escondido Ave., Berkeley.
 Architect—None.
 Contractor—Ben Pearson, 2403 Grant, Berkeley.

COST, \$1000

(3363) NOS. 1412 & 1414 STANNAGE Ave., Berkeley. Two one-story dwellings.
 Owner—Geo. H. Steinberg, 347 E-12th, Oakland.
 Architect—None.
 Contractor—Jas. D. Horton, 235 Blake Block, Oakland.

COST, \$1500 each

(3364) E WALNUT 80 N Cedar, Berkeley. Two-story 5-room dwelling.
 Owner—C. B. Crane, 2695 Cedar, Bkly.
 Architect—None.
 Day's work.

COST, \$3000

(3365) NO. 244 LAKESHORE BLVD., Oakland. Fire repairs.
 Owner—Laymanee Realty Co., 1515 Franklin, Oakland.
 Architect—None.
 Contractor—A. H. Rose & Co., 525 17th Oakland.

COST, \$460

(3366) S ELEVENTH 90 E Webster, Oakland. One-story brick garage.
 Owner—Realty Syndicate, 1440 Broadway, Oakland.
 Architect—Hamilton Murdock, Syndicate Bldg., Oakland.
 Day's work.

COST, \$10,000

(3367) E TENTH 30 and E S Cedar, Berkeley. Two one-story 5-room dwellings.
 Owner—C. J. Pfarrang, 480 Forest St., Oakland.
 Architect—None.
 Day's work.

COST, \$2000 each

(3368) LOT 13 AND S 32 LOT 12 Blk 32, Fairmont Park Tract, Albany. All work for two one-story 5-room and sleeping porch dwellings.
 Owner—Mary Parker, Berkeley.

Contractor—A. Hendrickson, Oakland.
 Filed Oct. 29, '19. Dated Oct. 20, '19.
 On presentation of bills.....

TOTAL COST, \$5500

Bond, none. Limit, 100 days after Oct. 27. Forfeit, none. Plans and specifications filed.

(3369) DAYTON AND PALMERO, Alameda Alterations.
 Owner—A. J. Coogan, Premises.
 Architect—None.
 Contractor—Chas. Burton, 2315 Garfield, Alameda.

COST, \$2688

(3370) NO. 705 GRAND, Alameda. Alterations.

Owner—Wm. L. Weinmann, Premises.
 Architect—Hamilton Murdock, Syndicate Bldg., Oakland.
 Contractor—H. M. Frostholm, Syndicate Bldg., Oakland.

COST, \$1900

(3371) NO. 1624 LAFAYETTE, Alameda. One-story 4-room dwelling.
 Owner—Fred C. Myer, 1609 Willow St., Alameda.
 Architect—None.
 Day's work.

COST, \$1200

(3372) NO. 1808 ST. CHARLES, Alameda. Addition.
 Owner—M. Bick, 1101 Buena Vista Ave., Alameda.
 Architect—None.
 Contractor—J. Tylesen, 1570 Eddy St., San Francisco.

COST, \$400

(3373) NO. 1216 VERSAILLES AVE., Alameda. Alterations.
 Owner—Minnie E. Mackae, Premises.
 Architect—None.
 Day's work.

COST, \$478

(3374) S BERKELEY WAY — E Shattuck Ave., Berkeley. Three-story Class "B" storage building.
 Owner—Roy O. Long, Elks Club, Bkly.
 Architect—None.
 Contractor—Nelson & Forsyth, Union Savings Bank Bldg., Berkeley.

COST, \$45,000

(3375) FIFTH AND GRAYSON, Berkeley. Alterations.
 Owner—West Coast Kalasomine Co. Premises.
 Architect—None.
 Day's work.

COST, \$750

(3376) NO. 1100 WALNUT AVE., Berkeley. Garage.
 Owner—J. W. Glover, 158 17th Ave., San Francisco.
 Architect—None.
 Contractor—G. Skidmore, 438 44th, Okd.

COST, \$400

(3377) NW E-TENTH AND THIRTY-seventh Ave., Oakland. Fire repairs.
 Owner—K. Betlesen.
 Architect—None.
 Contractor—A. S. Ferguson, 3268 Prentiss, Oakland.

COST, \$1250

(3378) NO. 812 FIFTH AVE., Oakland. Alterations.
 Owner—R. E. Jeffers, 48 Highland Ave., Oakland.
 Architect—None.
 Day's work.

COST, \$500

(3379) W SEVENTY-THIRD AVE 60 N Fresno, Oakland. Two-story addition to dwelling.
 Owner—Hayashi Bros.
 Architect—None.
 Contractor—L. L. Woodard, 2415 73rd Ave., Oakland.

COST, \$2000

(3380) NW ORCHID AND THIRTY-fourth Ave., Oakland. One-story 2-room dwelling.
 Owner—W. W. Moore, 2442 Peralta Ave., Oakland.
 Architect—None.
 Contractor—A. Thornton, 2917 E-19th, Oakland.

COST, \$500

(3381) COE MILVIA AND UNIVERSITY AVE., Berkeley. One-story Class "C" garage.
Owner—D. B. Hunter.
Architect—James W. Plachek, 2014 Shattuck Ave., Berkeley.
Contractor—C. Texdahl, 226 Acton Place, Berkeley.

COST, \$9327

(3382) E COLLEGE AVE 57 S Chabot, Oakland. One-story 18-room apartments.
Owner—Annabell Bauman, 1929 Harrison, Oakland.
Architect—None.
Contractor—Solomon Morris, 1507 Harrison, Oakland.

COST, \$12,000

(3383) N "D" ST. 500 E Jones Ave., Oakland. One-story 5-room dwlg.
Owner—P. Albera, 8857 "C" St., Okd.
Architect—None.
Contractor—E. F. Cereghino, 1248 96th Ave., Oakland.

COST, \$3000

(3384) E LAGUNA AVE 100 S Hopkins, Oakland. One-story 6-room dwelling.
Owner—H. Goranson, 3435 Peralta Ave., Oakland.
Architect—None.
Day's work.

COST, \$2900

(3385) W TWENTY-NINTH AVE 110 to 285 N E-14th, Oakland. Five one-story 5-room dwellings.
Owner—R. K. Larsen, 1550 28th Ave., Oakland.
Architect—None.
Day's work.

COST, \$3000 each

(3386) 1833 FORTIETH AVE., Oakland. Addition.
Owner—Geo. B. Hughes, Premises.
Architect—None.
Day's work.

COST, \$1000

(3387) S ELEVENTH 90 E Webster E 60x100, Okd. Brick work and foundations for one-story Class "C" garage.
Owner—Realty Syndicate Co., 1444 Broadway, Oakland.
Architect—Hamilton Murdock, Syndicate Bldg., Oakland.
Contractor—Wm. J. Baccus, 565 16th, Oakland.

Filed Oct. 31, '19. Dated Oct. 28, '19.
Completed and accepted, \$2745.75
Usual 35 days, 915.25

TOTAL COST, \$3661.00

Bond, none. Limit, 60 days. Forfeit, none. Plans and specifications filed.

(3388) PLUMBING, LEADERS, SEWER work, etc., on above.
Contractor—W. H. Picard, 477 Hardy St., Oakland.

Filed Oct. 31, '19. Dated Oct. 28, '19.
Roughed in \$346.80
Completed and accepted, 86.70
Usual 35 days, 144.50

TOTAL COST, \$578

Bond, none. Limit, 60 days. Forfeit, none. Plans and specifications filed.

(3389) EXCAVATING, GRADING, concrete floor, sidewalk, carpenter and mill work, glass, hardware and tiling on above.
Contractor—H. M. Frostholt, 6457 Colby St., Oakland.

Filed Oct. 31, '19. Dated Oct. 28, '19.
Trusses set \$1/4
Roof ready for roofer, 1/4

Completed and accepted, 1/4
Usual 35 days, 1/4
TOTAL COST, \$1350
Bond, none. Limit, 60 days. Forfeit, none. Plans and specifications filed.

COMPLETION NOTICES.

Alameda County.

Recorded

Nov. 1, 1919—NE FOURTH & ALICE E 150xN 100, Okd. H L Hinman (Merchants Express & Draying Co) to Nelson & Forsyth, Oct. 30, 1919
Nov. 1, 1919—PTN LOTS 9 AND 10 BLK "G", Map East Piedmont Heights, Okd. Joseph Edward to whom it may concern, Oct. 22, 1919
Oct. 27, 1919—PTN LOTS 3, 4 AND 5 BLK 12, Havenscourt, Okd. Erma V Collier to William J Blake, Oct. 27, 1919
October 21, 1919
Oct. 28, 1919—PTN 200 S and 110 E of SE Cor. 2nd and Market N 25x E 25, Okd. Pacific Gas & Electric Co to Judson Mfg Co., Oct. 22, 1919
Oct. 28, 1919—NE SUTER 170.39 E High NE 35xN 98.26, Okd. Waterfront Sash & Door Co to W J Moore, Oct. 27, 1919
Oct. 30, 1919—LOT 132 Map Santa Fe Tract No. 20, Okd. E. Janssen to whom it may concern, Oct. 28, 1919
Oct. 31, 1919—S 35 LOT 12 BLK 1 The Highlands Bkly. Oscar W Weibel to C H Warren, Oct. 27, 1919
Oct. 31, 1919—SE MAUD AVE and SW San Rafael SW 150xSE 160, San Leandro. Minnie I Hall to whom it may concern, Oct. 14, 1919
Oct. 31, 1919—W MARKET, 62-6 N Eighth N 62-6xW 125, Okd. O J Mead to H P Nelson, Oct. 30, 1919

Accepted

Owner—J. N. Lisle, 1521 N-Van Ness St., Fresno.
Architect—None.
Contractor—Dan Blosser, 3212 El Monte St., Fresno.
COST, \$6000
No. 3230 HUNTINGTON ST., Fresno.
Frame dwelling and garage.
Owner—G. L. Mower, Fresno.
Architect—None.
Contractor—Dan Blosser, 3212 El Monte St., Fresno.
COST, \$7000

LOTS 23 AND 24 BLK 5, K. B. Heights, Fresno. Frame dwelling.
Owner—T. Cavanaugh, 3535 Grant St., Fresno.
Architect—None.
Day's work.

COST, \$2506

LOT 2 BLK 5, Arlington Heights, Fresno. Frame dwelling.
Owner—C. C. Shiley, N-Princeton St., Fresno.
Architect—None.
Day's work.

COST, \$3500

LOT 11 BLK 3, Woodlawn, Fresno. Frame dwelling and garage.
Owner—J. P. Williams, 2530 Harvey St., Fresno.
Architect—None.
Day's work.

COST, \$3500

LOTS 28 AND 29 Park Place, Fresno. Frame dwelling.
Owner—E. P. Tallafierro, 2917 Grant St., Fresno.
Architect—None.
Day's work.

COST, \$3000

BUILDING CONTRACTS.

Fresno County.

LOTS 73, 74, 75 AND 76, Del Mar Tct., Fresno. Two frame dwellings and garages.
Owner—Dan Blosser, 3212 El Monte St., Fresno.
Architect—None.
Day's work.

COST, \$5500 each

LOTS 7 AND 8 BLK 4, Alhambra Tct., Fresno. Frame dwelling and garage.
Owner—Mogrover & Petty, 1033 "J" St., Fresno.
Architect—None.
Day's work.

COST, \$4500

LOT 13 BLK 27, Alta Vista Tract, Fresno. Frame dwelling and garage.
Owner—Miss L. Burleigh, 110 Thesta St., Fresno.
Architect—None.
Contractor—Dan Blosser, 3212 El Monte St., Fresno.

COST, \$6000

LOT 30 BLK 6, Alta Vista Tct., Fresno. Frame dwelling and garage.
Owner—A. F. Wakefield, 1229 "I" St., Fresno.
Architect—None.
Contractor—Dan Blosser, 3212 El Monte St., Fresno.

COST, \$4000

LOT 9 BLK 9, Alta Vista Tct., Fresno. Frame dwelling and garage.
Owner—Seasler, Fresno.
Architect—None.
Contractor—D. Blosser, 3212 El Monte, Fresno.

COST, \$4000

LOTS 20 AND 21 BLK 7, College Add'n., Fresno. Frame dwelling and garage.

NO. 3328 LOWE AVE., Fresno. Frame dwelling.
Owner—Mrs. A. W. Lisle, Fresno.
Architect—None.
Contractor—C. P. Keesling, 3414 Lowe Ave., Fresno.
COST, \$3000

SHELL CAMP OILFIELDS, Fresno. All work for one-story stucco school. Owner—Oil King Grammar School District.
Architect—Ernest J. Kump, Rowell Bldg., Fresno.
Contractor—W. J. Ochs, Coalinga.
Filed Oct. 28, '19. Dated Oct. 20, '19.
Monthly payments of, 75%
Usual 35 days, 25%

TOTAL COST, \$44,603
Bond, \$22,543. Surety, American Surety Co. of New York. Limit, 200 days. Forfeit, none. Plans and specifications filed.

LOTS 17, 18, 21 AND 22 BLK 87, Fairmont, Fresno. Two frame dwellings.
Owner—W. R. Ralls, 125 Modoc St., Fresno.
Architect—None.
Day's work.

COST, \$2700 each

COMPLETION NOTICES.

Fresno County.

Recorded Oct. 29, 1919—PORTIONS LOTS 15 & 16 Blk 57 and Cor "A" and Fresno Sts., Fresno. Associated Oil Co to whom it may concern, Oct. 17, 1919

BUILDING CONTRACTS.

Sacramento County.

NO. 428 "J" ST., Sacramento. Repair elevator shaft.
Owner—Travelers Hotel, Premises.
Architect—None.
Contractor—J. L. Siller, 1400 P St., Sacramento. COST, \$1400

NO. 1144 FORTY-SECOND ST., Sacramento. Eight-room frame dwlg.
Owner—Harlan & McCullough, Sacramento.
Architect—None.
Day's work. COST, \$11,000

NO. 2805 "G" ST., Sacramento. Frame dwelling.
Owner—B. Barry, 1631 "O" St., Fresno.
Architect—None.
Contractor—P. Powell & Co., Sacramento. COST, \$41000

NOS. 2311 AND 2323 "W" ST., Sacramento. Two frame residences.
Owner—W. J. Taylor, Sacramento.
Architect—None.
Day's work. COST, \$4500 each

NO. 1102 "K" ST., Sacramento. One-story addition to private garage.
Owner—Pacific Gas & Electric Co., 11th and "K" Sts., Sacramento.
Architect—None.
Contractor—P. J. O'Brien, 2215 13th St., Sacramento. COST, \$4055

FRONT AND "Y" STS., Union Oil Acres Sacramento. Paint inside of station
Owner—Union Oil Co., "Y" St. near Front, Sacramento.
Architect—None.
Day's work. COST, \$1500

NO. 910 "J" ST., Sacramento. Repair fire damage to store.
Owner—P. Oakley Estate, Sacramento.
Architect—None.
Contractor—Ed. Harvie, 2212 "T" St., Sacramento. COST, \$1890

NO. 1720 "C" ST., Sacramento. Repair creamery in store.
Owner—Blake & Sons, 116 7th St., Sacramento.
Architect—None.
Contractor—C. J. Guth, 1516 27th St., Sacramento. COST, \$1400

NO. 1435 THIRTY-EIGHTH ST., Sacramento. Two-story 11-room frame residence.
Owner—C. B. McKee, 2407 M St., Sacramento.
Architect—None.
Contractor—C. J. Guth, 1516 27th St., Sacramento. COST, \$19,000

NO. 2222 "G" ST., Sacramento. Residence.
Owner—E. Driemeyer, 2011 25th St., Sacramento.
Architect—None.
Contractor—R. M. Smith, 2633 30th St., Sacramento. COST, \$36,500

BUILDING CONTRACTS.

Santa Clara County.

NO. 450 S-TWELFTH ST., San Jose. Six-room cottage.

Owner—Rees Williams, 472 S-12th St., San Jose.
Architect—None.
Day's work. COST, \$4000

NO. 65 S-SEVENTH ST., San Jose. One story school room.
Owner—Seventh Day Adventist Church
Architect—None.
Contractor—G. C. Folkenberg. COST, \$1600

NOS. 117-119 S-FIRST ST., San Jose. Remodeling store.
Lessees—Reich & Lievre, Premises.
Architect—None.
Contractor—Morrison Bros., Builders' Exchange, San Jose. COST, \$2200

NOS. 536-540 S-FIFTEENTH ST., San Jose. Two five-room cottages.
Owner—F. B. Gilger, 42 E-Santa Clara St., San Jose.
Architect—Chas. McKenzie, Bank of San Jose Bldg., San Jose.
Day's work. COST, \$3500 each

NO. 220 DELMAS ST., San Jose. Five-room cottage.
Owner—C. Moore, Premises.
Architect—A. K. Burkett.
Contractor—A. K. Burkett, 525 Chapman St., San Jose. COST, \$3000

NO. 1131 SHERMAN ST., San Jose. Repairs.
Owner—Mrs. S. Moran, Premises.
Architect—None.
Contractor—E. E. Crewe, 1186 Sherman St., San Jose. COST, \$1600

BUILDING CONTRACTS.

San Joaquin County.

VINE AND MADISON STS., Stockton. Remodel.
Owner—P. E. Folsom, Stockton.
Architect—None.
Day's work. COST, \$2750

EAST OAK ST., bet. California and American Sts., Stockton. Frame apartments.
Owner—Chas. Mackrell, 633 N-Hunter St., Stockton.
Architect—None.
Day's work. COST, \$12,000

NORTH ST., bet. Orange St. and Pershing Drive, Stockton. Frame dwelling and garage.
Owner—T. P. Dobson, 27 W-Oak St., Stockton.
Architect—None.
Day's work. COST, \$3760

COGORNA ADD'N., Stockton. Frame dwelling.
Owner—Mrs. Ray Shutes, Stockton.
Architect—None.
Day's work. COST, \$3500

W MAGNOLIA ST., bet. Madison and Commerce Sts., Stockton. Remodel for flats.
Owner—Lilly Corsiglia, Stockton.
Architect—None.
Day's work. COST, \$2500

N LINCOLN ST., bet. Rose and Vine Sts., Stockton. Frame dwelling.
Owner—C. H. McGurk, Stockton.
Architect—None.
Day's work. COST, \$4300

N OPHIR ST., bet. Flora and Park Sts., Stockton. Dwelling.
Owner—T. M. Gianelli, Stockton.
Architect—None.
Day's work. COST, \$2500

EL DORADO AND LAFAYETTE STS., Stockton. Three-story brick hotel and store building.
Owner—L. Cassinelli.

Architect—Walter King, Call Bldg., San Francisco.
Contractor—Totten & Trehwitt, Stockton. COST, \$45,000

CALIFORNIA AND AMERICAN STS., Stockton. Remodel flats.
Owner—J. Blossom, 941 N-Monroe St., Stockton.
Architect—None.
Day's work. COST, \$4500

COMPLETION NOTICES.

San Joaquin County.

Recorded Oct. 28, 1919—NW WEBER AVE & Stanislaus, Stockton. Associated Oil Co to Peter H. Anderson.....October 17, 1919

BUILDING CONTRACTS.

Santa Clara County.

ADDITION
NO. 7 MARTIN AVE., Hanchett Tract, San Jose. All work except art glass, electric wiring, painting and plumbing fixtures for addition to residence.
Owner—Vivian Loose Blair, San Jose.
Architect—Louis Theo. Lenzen, 110 S-Second St., San Jose.
Contractor—H. A. Bridges, 725 S-7th St., San Jose.
Filed Oct. 21, '19. Dated Oct. 20, '19.
75% of value of work and materials as work progresses\$1500
Usual 35 days, 75%..... 500
TOTAL COST, \$2000
Bond, \$1000. Sureties, Paul Fraser and A. B. Ross. Limit, 32 working days from Oct. 21, 1919. Forfeit, none. Plans and specifications filed.

NO. 86 S-TWELFTH ST., San Jose. All work for remodeling and finishing attic portion of 1½-story frame residence.
Owner—M. J. Norton, Premises.
Architect—Chas. S. McKenzie, Bank of San Jose Bldg., San Jose.
Contractor—Al Compton, 547 N-17th St., San Jose.
Filed Oct. 22, '19. Dated Oct. 22, '19.
Frame work up.....\$372.25
1st coat paint on..... 372.25
Remodeling complete 372.25
Usual 35 days..... 372.25
TOTAL COST, \$1489
Bond, \$750. Sureties, E. W. and Otto E. Schnabel. Limit, 30 days from Oct. 22. Forfeit, none. Plans and specifications filed.

NO. 250 S-THIRTEENTH ST., San Jose. Seven-room frame cottage.
Owner—M. Pezzoni.
Designer—F. C. Nelson.
Contractor—F. C. Nelson, 34 S-15th St., San Jose. COST, \$8990

NO. 221 S-FIRST ST., San Jose. Alterations of front.
Lessee—Gus. Wendt & Sons, Market & St. John Sts., San Jose.
Architect—Theo. Lenzen, 110 S-Second

St. San Jose.
 Contractor—H. A. Bridges, 725 S-7th
 St., San Jose. COST, \$800

NO. 32 S-THIRTEENTH ST., San Jose.
 Addition, etc.
 Owner—J. W. McCullough, Premises.
 Architect—None.
 Contractor—A. C. Humphrey.
 COST, \$1700

NO. 184 N-SIXTH ST., San Jose. Ga-
 rage and repairs.
 Owner—Laura J. Sears, Premises.
 Architect—Owner.
 Contractor—W. B. Stone, 1451 S-1st St.,
 San Jose. COST, \$500

NO. 179 S-FIRST ST., San Jose. Alter-
 ations.
 Owner—Golden & Boomer.
 Architect—M. Krause.
 Contractor—H. A. Bridges, 725 S-7th
 St., San Jose. COST, \$500

NO. 86 S-TWELFTH ST., San Jose.
 Addition.
 Owner—Mrs. M. J. Norton, Premises.
 Architect—Chas. MacKenzie, Bank of
 San Jose Bldg., San Jose.
 Contractor—Al. Compton, N-17th St.,
 San Jose. COST, \$1700

WOODEN WATER MAINS LAST BOSTON 1300 YEARS.

BOSTON, Mass.—In putting in high-pressure water mains recently, workmen who dug up one of Boston's streets came across about 50 feet of wooden water mains installed in the city in 1789 and used continually until 1840 for bringing water from Jamaica pond in Roxbury to this city. The pipes were installed by a corporation formed at the instigation of Governor Samuel Adams, with authority to hold \$32,000 worth of real estate and to issue 100 shares of stock.

In all, 15 miles of these water mains were laid, serving a fairly large section of what is now downtown Boston and was then the whole town. At the height of prosperity the service supplied 1500 houses with water. They were replaced in 1840 with 10-inch iron pipes, and in 1849 the present municipal system, which now has more than 860 miles of mains, supplying more than 100,000 buildings.

The wooden mains are approximately 16 inches in outside diameter, left in their natural condition on the outside, except for removal of the bark, with four-inch and two-inch bores through them.

(Continued from page 4)

tools for labor to function under the direction of brains in order to meet the demands of society for the products of the various industries. In the past society has failed to recognize any limitation to the capacity of capital and has encouraged the investment of large amounts of capital in non-essential industries while at the same time it has discouraged the investment of capital in public utilities which are extremely essential to the general welfare. Industries which are not regulated by the government commissions are supplied with capital in sufficient quantity to meet their needs as determined by the demands put upon them by society which, by paying higher prices, encourages the advent of capital into such industries. It is quite important to the brain element of industry that the proper amount of capital be made available to each industry, because a man's mental equipment often includes a specialized knowledge of a particular industry, and any stoppage of the flow of capital to that industry will react unfavorably upon the income of the brains of that industry. It may be said that labor is least affected as it can more readily apply its force to a new industry without much loss in earning power. It is not essential then for brains to unite to draw capital toward those industries now suffering for lack of it? Brains, meaning the engineer and the executive as well as the thinking part of labor, must to a considerable degree stay in an industry. Years of training and study have stored up specialized knowledge of little use in another industry. Executives in the steel business and engineers in the public utilities cannot change places with men of other industries without a great loss in efficiency and earning power. So it may be stated as an axiom that the brains element of industry is less fluid than the capital and labor elements. The brains element uses the capital to furnish labor with tools, etc., with which to turn out the product. It designs, invents, discovers and improves the products and is the one element which leaves the finger prints and even the photograph of its creator on the product. Any change in labor or capital will effect no physical change in the product. The slightest change in the brains of an industry is reflected at once in the class of the product turned out. Brains plan for economy of production and the utilization of waste products. It is equally as important as labor in the production world. It is now unorganized and subject only to the laws of supply and demand, except as those natural laws are retarded by the lack

of fluidity inherent in this element of industry.

Labor, which includes that portion of each individual which functions automatically under the direction only of the five senses, is fluid to an extent depending how little the individual knows about his work. Thus the ignorant laborer can jump daily from one job to another without much loss in efficiency or earning power, while the skilled mechanic is tied to his trade and often to a specialized line of work in his trade as much as are the company engineers, but not as much as a company executive. The apportionment of the cost of industry to labor should take into account the double function of those laborers who exercise their hands and their heads. Thus we would expect labor to receive two rewards, one based on physical effort, or time put in, and the other, based on mental productivity. Wages would compensate for both as evidenced by the higher pay for skilled mechanics.

Reviewing our premises and our definitions we would expect the natural laws to prevent too much capital and too much labor from accumulating in a given kind of industry. Seldom, short of the millennium will we find too much brains in any industry. We do find shortages of capital in public utilities, as evidenced by the manner in which so many follow rather than precede community growth. Labor shortages exist as a rule in all industries at about the same time, due to the fluidity of this element.

Capital must flow into industry as needed to increase the capacity of the plants. The amount of capital required will vary with the needs in all unregulated industries. In regulated industries, among which are public utilities, great care must be exercised to avoid restricting the flow of capital by allowing too low rates for the service rendered. In unregulated industries capital can usually be depended upon to regulate its own flow. Interest must be allowed to capital in both classes of industry. The cost of industry should always include the interest charge or the wages of capital. In unregulated industry the interest charge will be dependent upon the security of the investment. Some industries should pay capital quite a high wage on account of the insecurity of the investment, due to a number of reasons, including unknown demand for the products, type of product, pending patent litigation, etc. The market price of the bonds of an industry are an indication of the security and point to a definite interest rate which should be included in the cost of operation.

(Continued next issue)

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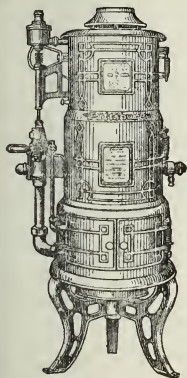
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American Association of Engineers

HIGHWAY MAINTENANCE.

V.

By G. M. N.

The following survey of actual highway conditions emphasizes the wide discrepancy between the length of the life of the road surfaces and the length of the life of the bonds, a discrepancy that mitigates not only against the taxpayer but also against the tax payer, as there will be no more fat bond issues to divide between parties interested, but only a lot of mistrust on which nobody can grow fat, not even a one-horse contractor with a concrete mixer bought on the installment plan and his cement furnished by the State. Forty-year bond money spent on roads that only last ten years don't look very good to the fellow who has got to foot the bills especially if he is the man who has got to depend on the roads for getting his products to the market.

Notes on Conditions of State and County Highways. Oakland to Riverside via San Joaquin Valley and return via Coast Road, October, 1919.
Types, U. C.—Unsurfaced Concrete O. M.—Oiled Macadam.
P. C.—Protected Concrete. W. B. M.—Water Bound Macadam.

Mile	Construction	Age	Condition	Traffic	Remarks
00.0	Sheet Asph				Oakland.
10.0	Bit on conc	2	Good		
14.0	U. C.	2	Center joint rut't'g		County highway out of Haywards.
15.0	O. M.		Rough		Castro Hill.
16.5	O. M.		Rough		Castro Hill.
20.0	O. M.		Poor condition.		
21.5	Topeka		10% defective		4' Asph conc. Being repaired by State.
24.0	Topeka		Good		Dublin Road O. K., where properly drained.
24.0	U. C.	2	O. K. ex cracks		
26.7	U. C.	2	Crushed across		Badly shattered.
27.8	U. C.	2	Crushed across		Badly shattered.
28.0	U. C.	2	shattered, wavy		
33.0	Bit on conc	4	First class		Livermore.
34.9	Bit on conc	4	First class		End of Bit.
40.					Waste land.
50.0	O. M.		Poor	90	San Joaquin Co. Highway.
54.0	O. M.		Fair		Tracy.
55.0	O. M.		Poor		Being destroyed by irrigation.
60.0	O. M.		Rough		
70.0	O. M.		Fair, wavy at edge	80	Sandy soil.
75.0	O. M.		Good		
76.0	A. C.		Poor		500' A. C. reinforced with wire mesh. Bridge at Ripon.
76.5	P. C.	5	O. K. to Modesto		
80.0	P. C.	5			
90.0	Topeka	5	O. K.		Conc. resurfaced with Topeka.
100.0	Topeka	5	O. K.		From Modesto to Turlock.
110.0	P. C.	6			
120.0	P. C.	6			
125.6	P. C.	6			Merced.
130.0	P. C.	5	shattered across at 1000'	60	Cattle country.
140.0	P. C.	5	shattered across at 1000'		Cattle country.
141.0	P. C.	5			Vineyards.
143.0	P. C.	5			Chowchilla.
147.0	O. M.		Good condition		
151.0	O. M.		Good condition		Berenda—grazing land.
157.0	Bit				
158.0	Bit		O. K.		Madera.
159.0	P. C.	6	Rough & patched		
165.0	P. C.	6	Frequent holes — rough		Cattle country.

NEWS FROM NATIONAL HEAD-QUARTERS.

With arrangements made for the largest sales organization that ever sold an engineering commodity, the American Association of Engineers announces a membership drive during the first two weeks of December. There will be nine thousand salesmen, ninety branch sales offices, and four district sales offices. That summarizes the sales organization of A. A. E. If every salesman makes a sale, that is nine thousand sales; if every branch office turns in one hundred applications, that will be nine thousand more.

The method to be employed is similar to that used in obtaining subscriptions to the Liberty Bonds.

The ninety clubs and chapters will divide their members into membership teams, each with certain territory to cover, and under the supervision of a team captain. The drive will be handled for each chapter by a drive commander who will keep in direct touch with the national headquarters of the Association by telegraph. He will make telegraph reports of the number of applications obtained each day. A force will be maintained at the national headquarters to tabulate the returns and to advise the chapters of their standings.

For the purpose of competition chapters and clubs will be divided into two groups: those having more than one hundred members at midnight on December 13th, when the drive ends, and those having less than one hundred members on that date. A special gavel will be presented to the chapter of club in the latter group which has the greatest percentage of increase of membership during the drive. Of the chapters having one hundred or more members at the end of the drive, official A. A. E. colors will be presented to the one that has obtained the greatest percentage membership increase during the drive.

The three members securing the greatest number of applications between the first and thirteenth of December, inclusive, will be awarded respectively a life membership in A. A. E., a collection of books to the value of \$100, and a watch of the value of \$50. The captain of the membership team in each chapter or club which obtains the greatest number of applications of all the teams in that chapter or club will be awarded a solid gold, engraved, A. A. E. watch fob. Individual chapters and clubs may award special prizes to their members.

169.0	P. C.	6 Good	70	San Joaquin River.—Fresno Co. line.
170.0	P. C.	6 Good	80	Wheat lands—sheep.
180.0			100	Fresno.
183.0	Topeka	5 Deeply rutted	100	Surfaced 1917.
185.0	P. C.	5 Peeling off	100	1' rock and oil recently applied.
188.0	P. C.	5 Peeling off	100	1' rock and oil recently applied.
190.0	P. C.	5 Good	100	New resurfacing.
190.5	Bit	5 O. K.		Fowler.
191.5	Bit	5 O. K.		
196.0	U. C.	5 Needs surfacing	90	Selma.
202.0	U. C.	5 Cracked as usual	90	
207.0	U. C.	3 Good	80	Traver—Alkali waste land graz.
210.0	U. C.	3 Good	70	Waste land.
215.0	U. C.	3 Good	70	Goshen.
223.0	U. C.	4 Cracked	80	Vineyards—orchards.
225.0	Bit	1 Perfect	80	Vineyards—Tulare Co. Highway
235.0	Bit	2 Perfect	80	Oranges—Exeter.
243.0	Bit	2 Perfect	80	Lindsay—oranges.
250.0	Bit	2 Perfect	75	Strathmore.
255.0	Bit on conc	2 Perfect	80	Porterville.
262.0	Bit on conc	2 Perfect	75	Terra Bella.
267.0	Bit on conc	1 Perfect	70	Ducore.
270.0	Bit on conc	1 Good	70	Seal coat not perfect.
276.0	Bit on conc	1 Good	70	Tulare County Line.
276.1	O. M.	3 1' of sand on surf.	60	Sand protection—waste land.
280.0	O. M.	3 1' of sand on surf.	60	Kern Co. Highway—hard driving—dangerous.
284.0	P. C.	4 Fair	60	State Highway.
285.0	P. C.	4 Fair	60	State Highway—Detour acct. repairs
290.0	P. C.	Dirt 285-290, Fair	70	Peeling.
291.0	P. C.		70	McFarland.
297.0	P. C.	Good	70	Famoso—waste land.
305.0	P. C.	Good	80	Lerdo.
317.8	Paving		90	Bakersfield.
320.0	Topeka	Going to pieces	90	1' thick.
320.5	P. C.	Good, some crush'g	75	
330.5	U. C.	Cracked 10' intvl.	75	Cattle country.
335.0	U. C.	Rebuild soon		
		Badly shattered	70	Cattle country—sandy.
341.0	U. C.	Fair condition corner breaks, cracks		Cracked across about every ¼ mile—5 years to live.
350.0	U. C.	End of "Ridge" paving		Tejon Pass.
354.0	Oil gravel	Very rough		Tejon Canyon.
358.0	Oil gravel	Very rough		Lebec.
360.0	P. C.	New, good condit'n	50	
370.0	Dirt	Detour		Highway closed.
381.0	Hardpan			Neenatch—waste land.
390.0	Hardpan			Fairmount—waste land.
397.0	Hardpan		50	Elizabeth Lake—waste land—desert.
409.5				The summit—desert.
411.0	Natural	Rough—dusty		Larkin.
430.0	P. C.	Good condition	180	Saugus.
431.0	Oil'd gravel	Fair		
440.0	O. M.	First class	80	Sylmar
443.0	O. M.	First class	90	San Fernando.
449.0	O. M.	First class	90	Roscoe.
450.0	O. M.	Rough	90	440-450 part of old L. A. County Highway system; well maintained.
453.0	O. M.	Fair	100	Burbank.
457.0	O. M.	O. K.	100	Tropico.
460.0	Asph on mac	4 Poor	100	Ventura Ave., L. A. limits.
465.0	Asph	O. K.		L. A. City Hall.
470.0	Asph	O. K.		Los Angeles.
480.0	O. M.	3 Good, newly rep.	60	L. A. County Highway.
485.5	O. M.	Good		Resurfaced for 30.4 miles.
487.0				Whittier.
490.0	O. M.	Good surface		
498.0	O. M.	Good surface		Puente.
500.0	P. C.	Good surface		Valley Blvd.
505.0				Walnut.
510.0	O. M.	Being scarified		Spadra Quarry.
510.4	Sheet Asph	O. K.		Pomona.
520.0	P. C.	Looks poor		Ontario—Riverside road.
528.0	P. C.			Riverside County Line.
530.0	P. C.	Edges patched		
535.0	O. M.			Riverside.

Forty observations of concrete roads, of which 20 show defects serious enough to be noted. In my opinion the concrete highways enduring a traffic of 80 to 100 will require reconstruction before they are ten years old; many before they are five years old.

The referee of the drive is Isham Randolph, consulting engineer of Chicago.

With a membership of almost 8500 at the end of October, it is probable that the American Association of Engineers will easily pass this year the ten thousand membership mark which was set last spring as a goal for 1919.

We desire to call the attention of the technical press to a new item released on October 29 by the National News Service reading as follows:

WASHINGTON, Oct. 29.—Declaring that high officials of the American Federation of Labor are responsible for "tendencies to threaten the foundations of the government of the United States," a union of draftsmen employed in the Treasury Department has today withdrawn from the American Federation of Labor. The movement is part of a general campaign to secure withdrawal of all government employees unions.

The Northwest Society of Highway Engineers voted unanimously on October 10 to affiliate with the American Association of Engineers. The vote was informal. After the constitutional amendments which are required are made the affiliation can be formally consummated. It is expected that an amalgamation will be possible in January.

The Southwestern Society of Engineers, of which Dean C. M. Butler of the University of Arizona is president, has recently decided to affiliate with the American Association of Engineers. The vote was unanimous with the exception of one member who cast a negative vote. The Southwestern Society has been extremely active in engineering matters and has been recognized for a number of years as the foremost engineering society in its territory. Its membership totals about 160 engineers.

At a meeting on October 30, 1919, the Cleveland Chapter of the American Association of Engineers listened to addresses by three candidates for the mayoralty of the city of Cleveland, and by C. J. Neal, finance director of the city of Cleveland, who spoke in behalf of the Republican administration. There was a large attendance from both the chapter and the railroad sections whose headquarters are in Cleveland.

It is interesting to note that the membership of the American Association of Engineers is being increased by applications from every state in the Union, rather than from any particular locality. The following list shows the cities and states which are credited with ten or more applications during the first thirty days of October:

Chicago, 87; New York City, 60; Washington State, 56; San Francisco, 49; Portland, 48; Pittsburgh, 48; Arizona, 42; Butte, 35; St. Paul, 33; Lincoln, Nebraska, 31; Idaho, 29; Columbia, Missouri, 20; Ada, Ohio, 20; Dallas, 17; Springfield, Mo., 13; Columbus, Ohio, 13; Buffalo, 11; Parsons, Kansas, 10; Angola, Indiana, 10; Wyoming, 10; Oklahoma, 10.

(Continued on Page 22.)

ADVANCE NEWS

Official Proposals, Etc.

BUILDING.

APARTMENT HOUSES

To Be Done by Days Work.

APARTMENTS Cost, \$25,000
STOCKTON, San Joaquin Co., Cal.
 Three-story brick and frame (24) apartments.

Owner—W. E. Fretheway, 421 N-Stanislaus St., Stockton.

Contractor—Walter King, Call Bldg., San Francisco.

Construction to be started in early Spring; Plans Being Prepared.

APARTMENTS Cost, \$150,000
RENO, Nevada. Adjoining Elks Home on First Street.

Six-story and basement brick and terra cotta apartments (90 x210) 101 apartments, 84 2-room and 17 3-room apartments.

Owner—Apartment Investment Co., Reno, Nevada.
 Architects—Ferris & Malsbary, Reno, Nevada.

The building will be erected on the lines of the Stanford Court apartments in San Francisco. The structure will have an exterior finish of pressed brick. The two-room apartments will contain a large living room with wall bed, a small private hall, a large dining room, a bath room opening off the hall, a buffet and an electrically equipped kitchenette with automatic electric range. The three room apartments will be equipped in the same manner except that there will be a living room and two wall beds.

Working Drawings Being Prepared.

APARTMENTS Cost, \$200,000 or more
SAN FRANCISCO, Steiner Street and Pacific Avenue.

Seven or eight-story Class "A" apartment house (2 apts. on each floor).
 Owner—Kittie Estate.

Architect—Benj. G. McDougall, Sheldon Bldg., San Francisco.

BANKS

Plans to Be Prepared.

ALTERATIONS Cost, \$ —
STOCKTON, San Joaquin Co., Cal. N-Hunter and Main Streets.

Extensive alterations for bank (alter adjoining stores into banking rooms).

Owner—Bank of Italy.

Architect—Wm. A. Newsom, 5th Floor, Bank of Italy Bldg., San Francisco

BONDS.

MARYSVILLE, Yuba Co., Cal.—November 24th is the date set by the Marysville High School District to vote bonds of \$294,000 with which to erect a new high school building and improving the present grammar school and installing equipment in same. The high school will cost about \$250,000.

The high school will be erected on a

block bounded by Tenth and Eleventh and H and I streets.

Plans for the building are being designed by Architect W. H. Weeks, 75 Post Street, San Francisco.

IMPERIAL, Imperial Co., Cal.—An ordinance has been introduced in the City Council calling an election to vote on issuing bonds in blocks of \$35,000, \$25,000 and \$20,000 to resurface paved streets and to lay new macadam to connect city streets with county and state highways.

OREGON CITY, Ore.—Clackamas County will hold a special election, November 24, to vote upon a proposed bond issue of \$1,700,000 for the paving of 145 miles of road. The proposal to issue \$150,000 in bonds for the construction of a new bridge across the Willamette river at Oregon City will be held later. The bond issue provides that \$105,000 shall be diverted for a new bridge, but the balance of the \$1,700,000 must be used on county roads, radiating into nearly every part of Clackamas County.

FRESNO, Fresno Co., Cal.—Bids will be received by the County Supervisors, D. M. Barnwell, County Clerk, up to November 15th, 10 A. M., for the purchase of the \$150,000 bond issue of the Fowler Union High School District. Proceeds of the sale will finance construction of a new high school building, plans for which are being prepared by Architects Allison & Allison, Hi-bernian Bldg., Los Angeles.

EL CENTRO, Imperial Co., Cal.—The Blankenhorn-Hunter syndicate of Los Angeles was awarded \$1,500,000 bonds of the Imperial Irrigation District at 95.15c on the dollar. The remaining \$1,000,000 bonds will not be sold until the bond market is better.

BAKERSFIELD, Kern Co., Cal.—A bond issue for \$150,000 is advocated to construct an addition to the present high school building, which is overcrowded. The present school has a capacity of 600, while the attendance is nearly 900.

RENO, Nevada.—A resolution providing for a bond issue of \$200,000, with which to finance the improvements of streets has been passed by the Reno City Council.

BRAWLEY, Imperial Co., Cal.—The \$125,000 bond issue to provide for extensions and improvements to the City water system carried at the special election. Larger mains will be laid, additional fire hydrants will be placed and a new tank tower will be constructed. Geo. B. Wade, City Engineer.

BEND, Ore.—To secure a \$10,000,000 bond issue for the construction of railroad lines from Bend to Klamath Falls, from near Silver Lake to Lakeview, from near Millican to Crane, and from this line to Burns and Nar-

rows, the Oregon, California & Eastern Railway Company placed on file in the county clerk's office here a trust deed in favor of the Portland Trust Company, covering all the property which the company now possesses or may acquire.

PRINEVILLE, Ore.—Petitions are being circulated asking the calling of an election to vote bonds of \$220,000 with which to build a permanent highway system for Crook County. The county, at the present time, has \$100,000 already in highway funds, this to be added to the bonds voted.

ABERDEEN, Grays Harbor Co., Wash.—A \$1,200,000 county road building program, in addition to projects already planned amounting to \$4,000,000 is advocated by the Aberdeen Chamber of Commerce. The committee asked \$300,000 for the Aberdeen and Hoquiam projects, including the intercity road between the two cities.

TULARE, Tulare Co., Cal.—An election to vote bonds of \$90,000 with which to erect a municipal auditorium building failed to carry.

W. C. Perry and G. B. Sturgeon, Newhall Bldg., San Francisco, are the architects.

YUBA CITY, Sutter Co., Cal.—November 22nd is the date set by the County Supervisors for receiving bids for the purchase of \$730,000 worth of county highway bonds with which to finance highway improvements.

The Supervisors have not yet agreed on the type of roads to be built.

LODI, San Joaquin Co., Cal.—Bids will be received by the City Trustees, H. S. Clark, City Clerk, up to November 24th, 8 P. M., for the purchase of \$7,999.90 worth of street improvement bonds.

LIVERMORE, Alameda Co., Cal.—Bonds of \$10,000 with which to purchase fire fighting equipment were voted here recently. The purchase of a motor fire engine, costing \$10,000, and the installation of a modern fire alarm system, costing \$4,000, is also planned. The fire alarm system will be financed from a surplus in the city treasury.

PARADISE, Butte Co., Cal.—An election will be held in the Paradise Irrigation District, November 18th, to decide the question of issuing and selling bonds of \$140,000 with which to complete the Paradise Irrigation District.

SACRAMENTO, Cal.—Bids will be received by City Treasurer W. E. Holmes up to November 25th, for the purchase of the \$1,800,000 bond issue which will finance construction of a filtration plant for this city. M. J. Desmond is City Clerk of Sacramento.

MADERA, Madera Co., Cal.—The \$100,000 high school bond issue has been sold to E. H. Rollins & Sons, who offered a premium of \$2,130. Eleven bids were submitted for the issue.

Proceeds of the sale will finance construction of a new high school building, plans for which have been prepared by Architects Swartz & Swartz, Rowell Bldg., Fresno.

SAN DIEGO, Cal.—The Board of Education has decided to call an election in December to vote on issuing \$1,100,000 bonds to erect two junior high schools and additions to existing grade schools.

LONG BEACH, Los Angeles Co., Cal.—Bonds in the sum of \$150,000 for erecting an auditorium at the Polytechnic High School and \$290,000 for erecting new buildings and additions to grammar schools were voted.

CHURCHES

Plans Being Prepared. Cost, \$100,000
CHURCH ALAMEDA. No. 1913 San Antonio Ave. Reinforced concrete church (Mission style).

Owner—St. Joseph's Catholic Church, (Rev. J. B. Praught, Pastor).
Architects—W. D. Shea and Henry A. Minton, 244 Kearny St., San Francisco.

Plans Completed. Cost, \$75,000
ADDITION SEATTLE, Wash. Lots 29 and 30 Block 13, University Park (Seventeenth Avenue, N. E.)
Addition to brick church building, 83 x 80.

Owner—Third Church Christ Scientist, Architect—Geo. Foote Dunham, Portland, Oregon.

Factories and Warehouses. COURTHOUSES

Plans Being Prepared. Cost, \$250,000
WAREHOUSE, ETC. SAN JOSE, Santa Clara Co., Cal. North First Street adjoining S. P. Railroad.

Two-story and basement reinforced concrete cold storage and warehouse buildings.

Owner—Security Warehouse & Distributing Co., J. Q. Patton, Mgr., 14th and Keys Sts., San Jose.

Designer and Engineer—Jas. T. Ludlow, 604 Mission St., San Francisco
Plans will be completed in about a month, at which time figures will be taken.

Plans Being Prepared. Cost, \$—
FACTORY LOS ANGELES, Cal. No. 610 San Fernando Road.

Two-story reinforced concrete factory, 99x99.

Owner—Matthew Paint Co.
Architect—Richard D. King, 519 Van Nuys Bldg., Los Angeles.

Contract Awarded. Cost, \$16,000
WAREHOUSE FRUITVALE, Alameda Co., Cal.
One-story portable steel warehouse.
Owner—California State Highway Commission, Forum Bldg., Sacramento.
Architects—Owners.

Contractor—Truscon Steel Co., 549 10th St., San Francisco.

To be Done by Days Work.
BOILER HOUSE, Cost, \$12,000 and CANNERY, Cost, \$100,000 and OAKLAND, Alameda Co., Cal. NW 12th and Pine Streets.

Two-story reinforced concrete boiler house, \$12,000; and two-story reinforced concrete cannery, \$100,000.

Owner—Pacific Coast Canning Co., Premises.
Architect—Owner.

VISALIA, Tulare Co., Cal.—The Board of Directors of the California Prune and Apricot Growers' Association at a recent meeting decided to erect a \$100,000 packing plant in this city. It is planned to have the structure completed by July of next year. Several sites are now under consideration.

Officials of the Association are: T. S. Montgomery, President; H. C. Dunlap, Secretary; Irvin E. Pomeroy, Chairman of the Board of Trustees; Directors—Arthur Swall, A. Kameron, and W. J. Fulgham, and Guy W. Smith, District Manager.

MODESTO, Stanislaus Co., Cal.—A permit has been granted by the City Council to the Modesto Gas Company, Frank A. Cressy, President, to make improvements on its present plant costing \$74,450, the work segregated as follows:

Gas plant building.....	\$ 2,000
Gas holder	47,000
Boiler and accessories.....	7,750
Gas generators	9,000
Purification apparatus.....	6,000
Accessory equipment.....	1,700
Water plant equipment.....	1,000

Contract Awarded. Cost, \$—
PACKING PLANT MODESTO, Stanislaus Co., Cal. Crows Landing Road.

Two-story brick and concrete packing plant, 60x100.

Owner—The Modesto Packing Co., Modesto.

Architect—Not Given.
Contractor—John D. Carlson, Turlock.

MODESTO, Stanislaus Co., Cal.—Bids will be received by H. Benson, County Clerk, up to November 25th, 10 A. M., for the construction of a galvanized iron warehouse at the NW corner of the County Hospital Lot.

Certified check of 10% must accompany each bid.

Contract Awarded. Sub-Bids Being Taken.

CANDY FACTORY Cost, \$70,000
SEATTLE, Wash. SE Westlake Ave. and Mercer St.

Four-story concrete candy factory, 60 x 108.

Owner—Koenig Candy Co., Seattle.
Engineers & Contractor—Wotten Construction Co., Pantages Bldg., Seattle.

The contractors are now receiving quotations on an elevator, plumbing and heating, electrical work, roofing and sheet metal work and all building materials.

Plans Being Figured. Bids Close Nov. 26, 1919.

DOCK, ETC. Cost, \$150,000
SEATTLE, Wash. Smith's Cove.
Two-story heavy timber dock—500 feet of east transit shed, 500x118, including freight elevator, 24x10 ft. Owner—Port of Seattle Commission.
Engineer—Geo. Nicholson of the Port of Seattle Commission.

PHOENIX, Ariz.—The \$500,000 plant of the Arizona Packing Co., now under construction on the Tempe road 4 miles from Phoenix, will require 115 cars of crushed rock, 115 cars of sand, 65 cars of hollow tile, 35 cars of cement, 15 cars of lumber, 13 cars of cork insulation, 9 cars of reinforcing steel, 5 cars structural steel, and 20 cars of machinery. The main building will be 3 stories, 86x166 feet. All structures will be reinforced concrete.

FLATS.

Contract Awarded. November 8, 1919.

FLATS Cost, \$30,000
LOS ANGELES, Cal. Rampart Blvd. near 1st Street.

Two frame and plaster flat buildings (4 flats of 6 rooms each).

Owner—Jessie D'Arche
Architect—L. A. Smith, 621 Investment Bldg., Los Angeles.
Contractor—Lilly-Fletcher Co., 621 Investment Bldg., Los Angeles.

GARAGES

Figures Being Taken for Reinforced Concrete Work.

GARAGE Cost, \$—
SAN FRANCISCO. Fifth and Howard Streets.

Three-story and basement reinforced concrete garage, 150x155.

Owner—Pacific Gas & Electric Co., 445 Sutter St., San Francisco.

Architect—Wm. Knowles, Hearst Bldg., San Francisco.
(30339) 1st report Nov. 4, 1919.

Contract Awarded. Cost, \$55,000 to \$60,000.
GARAGE, ETC.

SAN FRANCISCO. N California Street between Leavenworth and Hyde.

Two-story reinforced concrete garage and auto sales rooms, 100x137-6.

Owner—John Kingston, 320 Pierce St., San Francisco.

Architect—Milton Clark, Honolulu.
Contractor—American Concrete Co., 785 Market St., San Francisco.

Contract Awarded. Work Started.

AUTO PAINTING SHOP Cost, \$—
MARYSVILLE, Yuba Co., Cal. "F" St. bet. 4th and 5th Streets.

One-story auto painting shop, 40x80.

Owner—Thos. Matthews.
Lessee—O. H. Martin and Arthur Schumacher, Yuba City.

Architect—Not Given.
Contractor—McDaniel & Burroughs, Marysville, Cal.

To be Done by Days Work. Cost, \$—
GARAGE FRESNO, Fresno Co., Cal. Van Ness Avenue, bet. Kern and Inyo Sts.

One-story and basement reinforced concrete garage.

Owner & Architect—Fritchard Bros., 623 Feger St., Fresno.

NOTE:—The owners are contractors and will handle the construction of the building themselves.

GOVERNMENT WORK AND SUPPLIES

WASHINGTON, D. C.—The following bids were received by the Bureau of Yards and Docks, Navy Department, Washington, D. C., for furnishing the material for and erecting a radial brick chimney, 150 feet high and 10 feet inside diameter at the top, on a foundation provided by the Government, at the Navy Yard, Mare Island, Calif. Specification No. 4062.

M. W. Kellogg, 90 West St., New York, \$10,228.

Alphons Custodis Chimney Constr. Co., New York, \$10,982.

Rust Engineering Co., Washington, D. C., \$12,111.

WASHINGTON, D. C.—The following bids were received by the Supervising Architect Jas. A. Wetmore, at Washington on November 3rd for the construction of the United States Post Office, Court and Custom House at Honolulu, Hawaii, from plans by Architects York & Sawyer, 50 East 41st Street, New York, N. Y.:

Campbell Bldg. Co., Salt Lake, Utah, (1) \$1,056,500; (2) \$115,900.

Hawaiian Construction Co. (1) \$1,197,000; (2) \$148,000.

NAVY DEPARTMENT, Office of the Chief of the Bureau of Yards and Docks, Washington, D. C.—Sealed bids are wanted until November 19 1919, specification 4034, for marine medical and supply officers' quarters at San Diego Calif. Estimated cost, \$21,000. Deposit for plans required \$10. For further information address as above.

PANAMA CIRCULAR 1314.—Panama Canal, Office of the General Purchasing Officer, Washington, D. C.—Bids are wanted until November 21, 1919, circular 1314, for furnishing wrought iron pipe, brass tubing, steel desks, metal polish, leather belting, canvas, steam packing, white lead, tuscan red, twine, cargo check books, linen tags, tagboard and cover paper. For further information address A. L. FLINT, General Purchasing Officer.

Copies of the above circulars, with the exception of Circular No. 1314, may be seen at the office of the Daily Pacific Builder, 560 Mission street, San Francisco.

SEALED PROPOSALS, indorsed "Proposals for Central Building, Industrial Group, San Diego, Calif., Specification No. 4047," will be received at the Bureau of Yards and Docks, Navy Department, Washington, D. C., until 2 o'clock P. M., November 19, 1919 and at the office of the Public Works Officer, Twelfth Naval District, South of San Francisco Bay, Timken Building, San Diego, Calif., until 11 o'clock A. M., November 19, 1919, and then and there publicly opened, for a one-story central building having a floor area of about 30,000 square feet and consisting of power house at center and "L" shaped east and west wings, for housing various utilities, at the Marine Corps Base, San Diego, Calif. The building will have reinforced concrete foundations on con-

crete piles; reinforced concrete columns, floors, and roof slabs; steel trusses and purlins; brick and hollow tile walls and partitions; plastered interior and stuccoed exterior wall surfaces; built-up and tile roofing; suspended metal ceilings; skylights and louvers; wood doors; steel sash and wood sash; complete plumbing, heating and electric lighting and power systems; and a radial brick chimney 125 feet high. Drawings and specification No. 4047 may be obtained on application to the Bureau, to the Public Works Officer named, or to the Commandant, Twelfth Naval District, Sheldon Building San Francisco, Calif. Deposit of a check or postal money order for twenty dollars (\$20.00) payable to the Chief of the Bureau of Yards and Docks, is required as security for the safe return of the drawings and specification within five days after the award of the contract. C. W. PARKS, Chief of Bureau. Estimated cost, \$190,000.

SAN DIEGO, Cal.—There is now \$600,000 available for construction of additional permanent buildings at the North Island naval air station. This money will be used to erect two concrete hangars, each 600x400 ft., a power house, laundry, bakehouse, bathhouse, an emergency pier and three additional permanent shops and one large storehouse. The hangars will have marine railways to facilitate the launching of seaplanes. A concrete seawall will also be erected on the north side of the island. Three more dirigible hangars are also to be erected one 700 feet long, and the other 450 feet. An aircraft storage depot covering an area equal to two city blocks will be erected in San Diego, but the location has not been announced.

Plans Being Figured. Bids Close Dec. 3, 1919.

TRANSFORMERS, ETC. Cost, \$25,000
MARE ISLAND, Cal.

Transformers, wires, cables, metal conduits, fittings, fixtures, reflectors, switches, receptacles, etc., for electric lighting and power system for Structural Shop, Specification 3982.

Owner—United States Government.
Architect—Bureau of Yards and Docks

Navy Dept., Washington, D. C.
Drawings and specifications No. 3982 may be obtained on application to the Bureau or to the Commandant, Navy Yard, Mare Island, Calif. Deposit of a check or postal money order for \$10.00, payable to the Chief of the Bureau of Yards and Docks, is required as security for the safe return of the drawings and specification within five days after the award of the contract.

C. W. PARKS, Chief of Bureau.
August 6, 1919.

HOSPITALS

Permit Applied for. Contracts to be Awarded Shortly.

HOSPITAL. Cost, \$400,000
SAN FRANCISCO. NE Bush and Hyde. Six-story reinforced concrete Class "B" hospital.

Owner—St. Francis Hospital Co., Prem.
Architect—A. I. Coffey, Humboldt Bank Bldg., San Francisco.

Contracts will probably be awarded

within a week to the lowest bidders as follows.

General Contract—P. F. Reilly, \$74,800
Concrete Work—Branch & Coffey, \$86,408

Plastering—J. Greenback, \$44,313.
Grading—A. J. Iceder, \$10,990.

Plans Being Figured. Bids Close Nov. 24, 1919.

NURSES' HOME. Cost, \$—
LOS ANGELES, Cal. Los Angeles County Hospital Grounds.

16 two-story nurses' home buildings, 98x30.

Owner—Los Angeles County.
Architect—Not Given.

Plans and specifications may be obtained at the office of the Board, Hall of Records. Bids will be taken separately on the general contract, plumbing and steam heating, and electric work.

Plans Being Figured. Bids Close Nov. 21, 1919, 11 A. M.

HOSPITAL. Cost, \$20,000
BENICIA, Solano Co., Cal. Benicia Arsenal.

One-story reinforced concrete hospital. Owner—United States Government.
Architect—Architectural Department of Arsenal.

Plans may be obtained from Col. O'Hern at Benicia.

HOTELS

Plans Being Figured. Bids Close Nov. 17, 1919.

ALTERATIONS. Cost, \$—
MERCED, Merced Co., Cal. Seventeenth and "M" Streets.

Alterations and additions to two-story brick hotel (75 rooms and 75 baths).

Owner—Moran Estate.
Architect—A. W. Cornelius, Merchants' National Bank Bldg., San Francisco.

Plans may be obtained from the Architect.

Ready for Figures Nov. 11th.

ALTERATIONS. Cost, \$20,000
SANTA CRUZ, Santa Cruz Co., Cal. Pacific Avenue.

Alterations for hotel.
Owner—Hotel St. George.

Architects—O'Brien Bros., 240 Montgomery St., San Francisco.

Plans will provide for altering the present stores on the ground floor; lobby; Western Union offices; parlors, and dining room, and on the upper floors, re-arranging the present rooms, additional baths, etc.

Other improvements will be new elevators, new wash rooms, lavatories, etc., on ground floor; refrigerating plant, oil plant, etc.

Segregated figures will be taken here and at Santa Cruz, beginning Tuesday.

LIBRARIES.

NAPA, Napa Co., Cal.—The City Council has awarded a contract to the Pacific Gas & Electric Co., Napa Branch for installing a gas heating system in the Goodman Library at \$979.30.

The bid of Sampson-Rossi Co., to install a wood and coal furnace for \$475 was not considered.

PUBLIC BUILDINGS

SAN FRANCISCO.—Architect John Reid, Jr., First National Bank Bldg., has presented estimates to the Board of Public Works covering changes to be made on elevators owned by the City to make them comply with the Safety Commission laws. The changes will cost approximately \$13,047.

Plans Being Prepared. Contract Awarded.

BANK BLDG. Cost, \$300,000 or more **SAN FRANCISCO.** W Montgomery St. bet. Post and Sutter, adj. First National Bank Bldg.

Two and three-story and basement Class "A" bank and office building. Owner—First Federal Trust Co. and First National Bank.

Architect—C. E. Gottschalk, Phelan Bldg., San Francisco.

Contractor—J. E. Scully, Flood Bldg., San Francisco.

Foundations will be strong enough to carry about ten additional stories.

Figures are now being taken by the bank for wrecking the Lick Building. Sub-figures will be taken both by Mr. Scully and Mr. Gottschalk when plans are completed.

MADERA. Madera Co., Cal.—The City Trustees are planning the erection of a memorial building for the Madera Post, American Legion. It is planned to include quarters in the proposed structure for the City Hall, Chamber of Commerce and other public organizations.

No definite action was taken, but it is planned to discuss the selection of a site at the next meeting.

SAN FRANCISCO.—The Supervisors have appropriated funds to finance the preparation of plans and specifications for the construction of a convenience station at the Ocean Beach and a cau for bids will be issued on approval of plans by the Board of Park Commissioners.

Plans Being Prepared. **CITY HALL** Cost, \$25,000 **RENTON.** Wash. Fireproof City Hall. Owner—City of Renton. Architect—R. M. Thorne, Renton.

COLUSA. Colusa Co., Cal.—Plans prepared by Architect Martin A. Sheldon, 110 Sutter St., San Francisco, San Francisco, for a municipal swimming tank were considered by the City Trustees at their last meeting. The tank, as planned by Architect Sheldon, would cost \$35,000.

Plans to be Prepared. **HOME** Cost, \$2,000,000

MODESTO. Stanislaus Co., Cal. Paradise Road 700-acre ranch known as Shrewd Young Ranch. Children's Home (Pacific Coast Mooseheart).

Owner—Loyal Order of Moose. Chas. A. McGee, Bank of Italy Bldg., Oakland, is Supreme Dictator. Architect—Not Selected.

Mr. McGee left today for New York, where he will meet with the supreme board of directors and plan for the coming to Modesto of the board to close the deal.

Contract Awarded. **DEPOT** Cost, \$10,000 **GEYSERVILLE.** Sonoma Co., Cal. Railroad depot. Owner—Northwestern Pacific Railroad Company. Architect—Not Given. Contractor—H. P. Vogensen, 600 5th St., Petaluma, Cal.

SAN LUIS OBISPO. San Luis Obispo Co., Cal.—The Board of Supervisors has ordered a committee composed of Supervisor Black, Loomis and Norton, to prepare plans, specifications and estimates of cost for repairs and painting of the County Courthouse, County Hospital and the erection of annexes to same.

F. J. Rodrigues is County Clerk.

ADDITION Cost, \$— **AKLAND.** Cal. Lake Merritt. One-story frame addition to boat house Owner—City of Oakland. (Recreation Dept., City Hall) Architects—Reed & Corlett, Oakland Bank of Savings Bldg., Oakland. C. Christensen & Son, 555 16th St., Oakland, submitted the lowest bid at \$5,100. All bids were referred to the City Attorney.

To be Done by Days Work. Foundation Started.

COMMUNITY HALL Cost, \$— **CROCKETT.** Contra Costa Co., Cal. on State Highway. Frame community hall, 72x102. Owner—California Hawaiian Sugar Refinery, 230 California St., San Francisco.

Architect—Engineering Dept. of California-Hawaiian Sugar Refinery Company.

Assembly hall, 50x80, with stage, shower rooms, lockers, kitchenette, etc. Assembly hall will have hardwood floors.

RESIDENCES.

Contract Awarded. **BUNGALOWS** Cost, \$— **SANTA ROSA.** Sonoma Co., Cal. SW 6th and "A" Streets. Four one-story frame bungalows with connecting corridors for hospital. Owner—The General Hospital. H. S. Gutermute, Santa Rosa. Architect—Wm. Herbert, Santa Rosa. Contractor—W. L. Proctor, 1000 Spring St., Santa Rosa.

November 3, 1919. **BUNGALOW** Cost, \$— **SAN FRANCISCO.** St. Francis Wood. One-story frame and plaster bungalow Owner—Miss Myrtle Coleman, Care I. Magnin & Co. Architect—Henry H. Guttererson, 278 Post St., San Francisco.

Ready for Figures End of This Week. **RESIDENCE** Cost, \$12,000 **SAN FRANCISCO.** Sea Cliff. Two-story and basement reinforced concrete residence and tile terrace (6 rooms and 2 baths). Owner—Dr. A. Abrams. Architect—Henry C. Smith, Humboldt Bank Bldg., San Francisco.

Contract Awarded. **DWELLINGS** Cost, \$3,500 each **MERCED.** Merced Co., Cal. 20th St. bet. H and I Streets.

Series of one-story and basement frame dwellings (5 rooms each). Owner—Merced Mutual Building & Loan Association, W. E. Landram, Promoter, Merced. Architect—Not Given. Contractor—Dempsey & Montgomery, Merced.

SALINAS. Monterey Co., Cal.—Owing to J. M. Chaney refusing to carry out his contract for the construction of the Superintendent's residence at the County Hospital, the Supervisors have rescinded their action in awarding the contract and have re-awarded same to J. H. Danforth, the next lowest bidder at \$3,175. (29957) 1st report Sept. 5; 3rd Oct. 9.

Plans Being Prepared. **RESIDENCE, ETC.** Cost, \$— **SAN FRANCISCO.** Lot 21 Blk 25, St. Francis Wood. Two-story frame residence and garage Owner—Fred Stebinger. Designer and Contractor—Junk-Riddell Invst. Co., 2247 Telegraph Ave., Berkeley.

Contract Awarded. **RESIDENCE, ETC.** Cost, \$14,000 **PIEDMONT.** Alameda Co., Cal. Piedmont Highlands Long Ridge Blvd. Two-story frame residence and garage (12 rooms and 2 bathrooms). Owner—Mr. Lauffer. Architect—C. W. McCall, Central Bank Bldg., Oakland. Contractor—Alfred Peterson, 3919 Linwood Ave., Oakland.

Mr. Peterson submitted the lowest bid and will be awarded the contract after plans are modified to bring the cost down to approximately \$14,000.

To be Done by Day Labor. **BUNGALOWS** Cost, \$5,000 each **SAN JOSE.** Santa Clara Co., Cal. Naglee Terrace. 18 one-story and basement frame bungalows. Owner—F. B. Gilger. San Jose Bldg., San Jose. Construction will be undertaken on six buildings at a time. Architect—Chas. McKenzle, Bank of San Jose Bldg., San Jose.

Plans Being Prepared. **BUNGALOWS** Cost, \$— **NAPA.** Napa Co., Cal. Franklin and Randolph Streets. 15 one-story and basement frame bungalows. Owner—James Moore and W. S. Alexander, Napa, Cal. Architect—Not Given. NOTE:—Structures on the site will be razed with the exception of six, which will be converted into modern residences.

Plans to be Prepared. **RESIDENCE, ETC.** Cost, \$— **SAN FRANCISCO.** St. Francis Wood. Two-story frame residence and garage. Owner—Dr. E. O. Whitney, 240 Stockton St., San Francisco. Architect—Henry H. Guttererson 278 Post St., San Francisco.

Plans Being Prepared. **RESIDENCE** Cost, \$9,000 **SAN FRANCISCO.** Monterey Blvd. One-story and basement frame resi-

dence (7 rooms and garage).
Owner—Miss Ida McCain.
Architect—Miss Ida McCain, 318 Kearny St., San Francisco.

SPECIFICATIONS

Exterior Finish, cement plaster; Floors, hardwood; Grates, coal; Heating, hot air; Interior Finish, hardwood and white enamel; Tile, glazed.

Grading Contract. Figures to be Taken Shortly on Balance of The Work.

RESIDENCE Cost, \$35,000
BERKELEY, Alameda Co., Cal. Near Hotel Claremont (Oak Ridge Lots 6 and 7).

Two-story and basement frame and plaster residence (10 rooms and 4 bathrooms).

Owner—G. A. Mattern.
Architects—Louis M. Upton and M. Latham, 354 Montgomery St., San Francisco.

The excavating and grading contract has been awarded to The Oakland Paving Co. at \$3,500.

SCHOOLS

CHICO, Butte Co., Cal.—A dormitory building for the Chico Normal School Building—costing \$45,000, is planned under the formation of a company composed of Chico citizens. The erection of the building is made necessary owing to a shortage of hotels, dwellings and apartment buildings in Chico.

Among those interested in the proposed structure are: Principal C. M. Osenbaugh, W. J. O'Connor, Ben Crouch, A. G. Eames John Waterland, Dr. E. B. Copeland, Frank Morehead, F. J. Dean, Harry Moir, Mrs. Henria Compton, Mrs. L. V. Graves and Mrs. W. P. Lynch.

RED BLUFF, Tehama Co., Cal.—The Board of School Trustees has asked local firms to submit estimates on the installation of a modern oil burning system for heating the high school building, to replace the present coal burning system.

SACRAMENTO, Cal.—The following bids were received by W. F. McClure, State Engineer, on November 3rd for electrical work, plumbing and heating and ventilating for the main building of the Humboldt State Normal School at Arcata, Calif.

Electrical Work.

Turner Co., S. F. (low).....	\$6,840
F. Newbery Elec. Co., S. F.....	6,890
Ne Page-McKenny, S. F.....	7,248
Electrical Constr. Co., S. F.....	7,400
M. C. Ryan, S. F.....	7,525
Standard Elec. Constr. Co., S. F.....	7,729
Globe Electrical Co., S. F.....	8,598
Butte Elec. Equip. Co., S. F.....	8,728
Butte Elec. & Mfg. Co., S. F.....	9,475

Plumbing, Heating and Ventilating.
Turner Co., S. F. (low).....\$29,280
Scott Co., S. F.....30,895
Herman Lawson, S. F.....31,449
Arthur Hess.....31,650
Carl T. Doel, Oakland.....33,582

SACRAMENTO, Cal.—The City Board of Education has received a recommendation from the Sacramento Chamber of Commerce urging the appointment of an engineer to supervise the erection of new schools and additions to the present buildings under the re-

cently voted \$3,064,000 bond issue. The matter will be considered at the next meeting of the Board. M. J. Desmond is City Clerk.

SANTA ROSA, Sonoma Co., Cal.—The Board of Education is considering the erection of fire escapes on several of the school buildings. No definite action has been taken in the matter, but as the escapes are considered a necessity it is probable that an early decision will be rendered.

WASHINGTON, W. C.—The House has passed and sent to the Senate a bill which would authorize the town of Ketchikan, Alaska, to issue bonds amounting to \$100,000 for the construction and equipment of a school building.

Contract Awarded.
SCHOOL Cost, \$48,602
HERMOSA BEACH, Los Angeles Co., Calif.

Owner—Hermosa Beach School District
Architect—H. Howard, 619 Broadway Central Bldg., Los Angeles.
Contractor—W. M. Bell, 1046 W-92nd St., Los Angeles.

Plumbing to J. Hokom at \$1,461; wiring to Moran & McWhinnie of Hermosa at \$1,375, and heating to Pacific Gas Radiator Co. at \$1,023. The bids for painting and electric fixture were rejected.

Plans Being Figured. Bids Close Nov. 25, 7:30 P. M.

SCHOOL Cost, \$—
MONTEREY, Monterey Co., Cal. Monterey School District.
Two reinforced concrete school buildings.

Owner—Monterey School District.
Architects—Paul V. Tuttle and Arthur W. Angel, 415 Alvarado St., Monterey, Cal., or 565 Lighthouse Ave., Pacific Grove, Cal.

Bids will be received for the erection of each building complete as shown on the plans and as specified and separately on each building as follows:

First—For complete grading and excavating.

Second—For complete concrete and cement work.

Third—For complete carpentry contract.

Fourth—For complete lathing and plastering.

Fifth—For complete roofing.

Sixth—For complete wiring.

Seventh—For complete painting.

Eighth—For complete heating.

Ninth—For complete plumbing and metal work.

Tenth—For all window shades.

Eleventh—For a program clock and bell system.

All bids must be on bid forms furnished by the Architects and shall be sealed and delivered with a certified check of 10% payable to A. G. Winstn, Clerk of the Board of Trustees of the Monterey Grammar School District.

Contract Awarded.
SCHOOL Cost, \$5,600
ORICK, Humboldt Co., Cal.

One-story and basement frame school building.
Owner—Orick School District!
Architect & Contractor—O. B. Ackerman, Eureka, Cal.

BERKELEY, Alameda Co., Cal.—The Berkeley Board of Education has voted to erect two portable schools at the Longfellow school until the new building for that district is completed. It is also planned to erect buildings at the Hillside school.

SAN FRANCISCO.—The Board of Public Works on recommendation of John Reid Jr., City Architect, has commissioned architects to prepare plans for the following school buildings:

Adams School—Morris M. Bruce.
McKinley School—Chas. Sumner.
Spring Valley School—August G. Headman.

Bernal School—Martin A. Sheldon.
Hancock School—Ward & Blohme.
Columbus School—Herman Barth.
Edison School—Walter O'Brien.
Mission School and Grant School—John Reid Jr.

Plans Being Prepared.
ADDITIONS Cost, \$60,000
LOS GATOS, Santa Clara Co., Cal.

Two two-story reinforced concrete wing additions to high school (auditorium and additional rooms and a cloister).

Owner—Los Gatos High School.
Architect—Henry C. Smith, Humboldt Bank Bldg., San Francisco.

A bond election will be held November 7th.

Sketches Prepared.
SCHOOL Cost, \$100,000
LOS GATOS, Santa Clara Co., Cal.

Fireproof grammar school.
Owner—City of Los Gatos.
Architect—Benj. G. McDougall, Sheldon Bldg., San Francisco.

Mr. McDougall has prepared a sketch for the building and a bond election will be put to a vote next Spring.

Working Drawings Being Prepared.
Figures to be Called For in About a Month.

ADDITIONS TO SCHOOLS Cost, \$—
MODESTO, Stanislaus Co., Cal.

Three one-story additions to high school and a new gymnasium building (all of brick or hollow tile).

Addition of two wings to Departmental School (brick walls).

Addition of 2 wings to 17th Street School (hollow tile).

Addition to 6th Street School (hollow tile).

Addition of 2 wings to Washington School (hollow tile).

Addition to 14th Street School (hollow tile).

Owner—City of Modesto.
Architect—John J. Donovan.

The high school will be erected first and will be out for figures in about a month. Most of the work will be done by general contract.

The Bank of Italy has purchased the bonds to the amount of \$185,000, for the grammar schools and \$164,000 for the high school.

Figures to Be Called for in About a Week.

SCHOOL Cost, \$100,000
CLOVIS, Fresno Co., Calif.

Two-story reinforced concrete High School.

Owner—Clovis Union High School District.

Architect—W. H. Weeks, 75 Post St., San Francisco.

Plans Being Figured. Bids Close Nov. 24, 1919, at 8 P. M.
AUDITORIUM, ETC. Cost, \$—
SEBASTOPOL, Sonoma Co., Calif.
 One-story frame and plaster auditorium and gymnasium.
 Owner—Sebastopol School District.
 Architect—W. H. Weeks, 75 Post St., San Francisco.
 Plans may be obtained from the architect's office.

Plans Being Figured.
SCHOOL Cost, \$50,000
ARCADIA, Los Angeles Co., Cal.
 One-story hollow tile school (8 rooms).
 Owner—Arcadia School District.
 Architect—Norman F. Marsh, 210 Broadway Central Bldg., Los Angeles.

Bids will be taken separately on the general contract, plumbing, painting and heating. Alternate proposals will be taken on the general contract for Simons hollow brick exterior wall construction, Dennison hollow tile and Heath hollow tile construction. Plans may be obtained at the office of the architect upon deposit of ten dollars.

Contract Awarded.
DORMITORY Cost, \$200,000
CLAREMONT, Los Angeles Co., Cal.
 Two-story reinforced concrete college dormitory (120 rooms).
 Owner—Pomona College.
 Architects—Jas. P. Jamieson, St. Louis and Robert H. Orr, 1301 Van Nuys Bldg., Los Angeles.
 Contractor—Crookshank & Somers, Somers, Pomona.

STORES AND OFFICES

FRESNO, Fresno Co., Cal.—William Parker, Fresno, has purchased a site on Tulare street between "M" and "N" streets, and plans the erection of a two-story fireproof building. The building will have a fifty foot frontage.

Plans to be Prepared. Contract Awarded.
ALTERATIONS Cost, \$—
SAN FRANCISCO, NW First Avenue and Geary Street.
 Alter brick building into auto sales rooms.

Owner—Zellerbach-Levinson Co., 1514 California St., San Francisco.
 Architect—Not Given.
 Contractor—Theo. S. Hoin, 1739 Washington St., San Francisco.

One store has been leased to a firm in the auto business and as soon as tenants for the balance of the building are secured, construction will be started.

Plans Being Prepared.
AUTO SALES ROOM Cost, \$—
LODI, San Joaquin Co., Cal. South School Street.
 One-story fireproof auto sales room, 140x35.
 Owners—Dr. D. S. Clouse, George L. Meissner, W. H. Lorenz and W. H. Thompson.
 Lessee—I. G. Krieger, Lodi, Cal.

Plans Being Figured.
ALTERATIONS Cost, \$—
SAN FRANCISCO, No. 314 Sutter St.
 Alter six-story and basement fireproof building for furniture store.
 Owner—J. R. K. Nuttall.
 Lessee—Bare Bros. Furniture Co., 255

Geary St., San Francisco.
 Architects—Ward & Blohme, Alaska Commercial Bldg., San Francisco.
 Bids will be taken for a general contract.

Contract to be Awarded.
ALTERATIONS Cost, \$4,000
 approximately.
SAN FRANCISCO, SE Third and Stevenson Streets.
 Alter 1st floor into 2 stores (not cigar stores).
 Owner—United Cigar Co., 557 Howard St., San Francisco.
 Architect—C. E. Jones, 557 Howard St., San Francisco.
 Contractor—E. Ellingson, 110 Jessie St., San Francisco.

TULARE, Tulare Co., Cal.—J. B. Newman of Los Angeles and Visalia, will erect in Tulare a hollow tile building to cost \$15,000 to house the R. O. Lovell Implement Co., agents for the Moreland trucks.

Plans Complete. Figures to be Taken Next Week.
FURNITURE STORE Cost, \$70,000
SAN FRANCISCO, S Sutter & Mason.
 Two-story, basement and mezzanine reinforced concrete building (furniture store).
 Owner—Wm. F. Dunn.
 Lessee—E. Curtis.
 Architect—S. Heiman, 57 Post St., San Francisco.

Plans Being Figured.
UNDERTAKING PARLOR, ETC. Cost, \$20,000.
SAN FRANCISCO, W Buchanan St. S Turk.
 Two-story brick undertaking parlor and chapel (brick veneer facing).
 Owner—Chevra Kadisha.
 Architect—S. Heiman, 57 Post St., San Francisco.
 Figures will be taken for a general contract.

Segregated Figures Being Taken.
AUTO SALES BLDG. Cost, \$35,000
SAN FRANCISCO, SE Golden Gate Avenue and Larkin Street.
 One-story Class "C" auto sales bldg.
 Owner—Withheld.
 Architect—Mathew O'Brien, 68 Post St., San Francisco.

P. J. WALKER COMPANY TO CONSTRUCT LARGE OFFICE BLDG.
SAN FRANCISCO.—The Commercial Union Assurance Company of London, which has recently bought the old Nevada Block property at the corner of Montgomery and Pine streets, will shortly commence the construction of a very large modern office building, designed to meet the needs of insurance brokers.

The building project will be under the management of the P. J. Walker Company, Monadnock Bldg.

It is hoped that the selection of an architect to design the building will be made in a few days.

Contract Awarded. Will Take Sub-Figures.
AUTO SALES BLDG. Cost, approximately, \$40,000.
SAN FRANCISCO, NW Clay and Van Ness Avenue.
 Two-story and basement Class "C" auto sales building.

Owner—Louis R. Lurie.
 Architect—Sam Lightner Hyman, Crocker Bldg., San Francisco.
 Contractor—Barrett & Hilp, Sharon Bldg., San Francisco.
 (30523) 1st report Oct. 2, '19.

SANTA CLARA, Santa Clara Co., Cal.—The Raney property on Franklin street has been purchased by Frank Stewart and Charles Parker, who will tear down the present structure and erect a modern concrete business block. The site is 70½ by 150 feet in size.

Plans Being Figured.
DEPARTMENT STORE Cost, \$100,000 or more.
MODESTO, Stanislaus Co., Calif., 10th street bet. "K" and "L" Sts.
 Two-story and basement class "A" reinforced concrete department store, 100x100.
 Owner—Thompson Co.

Architect—Walker & Eisen, 1402 Hilbernian Bldg., Los Angeles.
 The contract for the excavation has been let to Ernest Green & Co., of Modesto.

Plans Prepared.
DEPARTMENT STORE Cost, \$—
SAN DIEGO, Calif.
 Eight-story reinforced concrete department store.
 Owner—Holzwasser Co., Inc.
 Architect—Weaver & Vawter, 500 26th St., San Diego.

Contract Awarded.
ADDITION Cost, \$4,500
VALLEJO, Solano Co., Cal. No. 206 Georgia Street.
 One-story brick addition to grocery store.
 Owner—T. V. Collins, Premises.
 Architect—Not Given.
 Contractor—Miller & Cassidy, Vallejo

Contract Awarded. Excavation Started
OFFICES, ETC. Cost, \$16,000
EUREKA, Humboldt Co., Cal. Fourth Street near E Street.
 One-story concrete auto depot, cafe and offices, 60x110.
 Owner—Mrs. Eva L. Ricks.
 Lessee—Humboldt Auto Stage Ass'n.
 Architect—Newton Ackerman, 430 "H" St., Eureka, Cal.
 Contractor—Eismore & Jacobs, Eureka, Cal.

Contract Awarded.
AUTO SALES ROOM Cost, \$—
LOS ANGELES, SE 11th and Flower Streets.
 Three-story Class "A" reinforced concrete auto sales rooms and garage, 150x155.
 Owner—Mrs. S. H. Van Uuys.
 Architects—Morgan, Walls & Morgan, 1134 Van Nuys Bldg., Los Angeles.
 Contractor—Leonard & Peck, H. W. Hellman Bldg., Los Angeles.
 Other contracts were awarded as follows: Plumbing to Thos. Haverly Co.; roofing to Pioneer Waterproofing & Roof Co.; elevator to Llewellyn Iron Works; heating to Phillips Heating Co.; and painting to Richard Arenz.

Contract Awarded.
FURNITURE STORE Cost, \$65,000
SAN FRANCISCO, S Sutter & Mason.
 Two-story, basement and mezzanine reinforced concrete building (fur-

ature store.)
 Owner—Wm. F. Dunn, Crocker Bldg.,
 San Francisco.
 Lessee—E. Curtis.
 Architect—S. Heiman, 57 Post St.,
 San Francisco.
 Contractor—Monson Bros., 1907 Bryant
 St., San Francisco.

SPECIFICATIONS

Elevators (3) passenger, freight and
 sidewalk; Floors, hardwood; Heating,
 steam; Interior Finish, hardwood.

ENGINEERING

BRIDGES, DAMS & HARBOR
WORK

SANTA ROSA, Sonoma Co., Cal.—The
 County Engineer has been authorized by
 the County Supervisors, W. W. Felt,
 Jr., County Clerk, to purchase 920 feet
 of steel cable for the county ferry
 over the Russian River at a point
 known as Markham's Ferry, 2 miles
 from the ocean.

OAKLAND, Cal.—Bids will be re-
 ceived by County Clerk Geo. E. Gross,
 up to November 17th, 10 A. M., for the
 repair of the pile piers and approaches
 of the combination skew truss bridge
 over San Lorenzo Creek on the Road
 leading from County Road 3422 SE to
 the Town line of Hayward, Eden Road
 District Eden Township. Plans may
 be had from County Clerk Gross at
 Oakland.

OROVILLE, Butte Co., Cal.—The
 County Supervisors have awarded con-
 tracts for bridges as follows:

Orvin Knight, Chico, bridge across
 Rock Creek on the Nord and Glanella
 road, T. H. Peck, 7th St., Chico, Sand
 Slough bridge on Heck's Lane, north of
 Chico. J. B. Clark, Marysville, bridge
 across Rock Creek northeast of Nord.

STOCKTON, San Joaquin Co., Cal.—
 Bids will be received by Eugene D.
 Graham, County Clerk, up to November
 19th, 10 A. M., for furnishing all the
 materials, labor, and equipment, and
 constructing a wooden trestle bridge
 with concrete abutments and footings,
 making all excavation and backfill, and
 filling in the approaches to the bridge
 and making it ready for travel, over
 Bear Creek about 500 feet East of the
 Harmony Grove school house between
 Sections 14 and 23, Twp. 3 N., R. 7 E.,
 M. D. B. & M., in accordance with plans
 prepared by County Surveyor Quail.

OAKLAND, Cal.—The County Su-
 pervisors have awarded a contract to
 Breese & Burgund, 2010 38th Ave.,
 Oakland, for the construction of two
 bridges on the Redwood Canyon Road
 near the home of the late Joaquin
 Miller. The bid was \$5,590.

MERCED, Merced Co., Cal.—The
 County Engineer has been instructed by
 the County Supervisors, P. J.
 Thornton, County Clerk, to prepare
 plans and specifications for the fol-
 lowing bridges:

Reinforced concrete bridge over San
 Joaquin and Kings River Canal and
 Irrigation Company's canal on high-
 way south of Gustin in Road District
 No. 4.

Reinforced concrete bridge over

Black Rascal Creek on Yosemite Col-
 ony Road in Road District No. 1.

Reinforced concrete bridge over
 slough on Hopeton-Snellings Road near
 Hopeton station on Y. V. R. R. in Road
 District No. 1.

Bids will be called on completion of
 plans.

RED BLUFF, Tehama Co., Cal.—
 Bids will be received by the County
 Supervisors, H. G. Kuhn, County Clerk,
 up to November 19th, 10 A. M., for the
 construction of a low truss steel
 bridge across Dry Creek, near the
 Alford Place, in Supervisor District
 No. 1.

ABERDEEN, Wash.—Resolutions
 urging the port commission to take
 immediately an extensive pro-
 gram of port improvement have been
 adopted by the Grays Harbor Realty
 Board. The advisability of purchasing
 an inner harbor dredge for permanent
 use here will be investigated by a

REDWOOD CITY, San Mateo Co.,
 Cal.—Bids will be received by the City
 Trustees, W. A. Price, City Clerk, up to
 November 17th, 7:30 P. M., for the con-
 struction of a reinforced concrete
 bridge across branch of the Redwood
 Creek on Washington street, between
 Jefferson avenue and Broadway.

Certified check of \$1,000 payable to
 the Town of Redwood City must ac-
 company each bid.

NAPA, Napa Co., Cal.—The Western
 Pipe & Steel Co., 444 Market Street,
 San Francisco, has been awarded a
 contract by the County Supervisors for
 furnishing and delivering to the
 county of Napa corrugated iron cul-
 verts for use on the county highway
 system at \$1,628.80. The only other
 bidder was the Madewell Pipe & Cul-
 vert Works of Oakland at \$1,744.20.

PLACERVILLE, El Dorado Co., Cal.—
 The Supervisors have instructed the
 County Surveyor to prepare plans and
 specifications for a bridge across
 French Creek at the Watkins' Cross-
 ing.

Bids will be called on completion of
 plans.

PORTERVILLE, Tulare Co., Cal.—
 City Engineer F. W. Pease has filed a
 report with the City Council giving
 estimates for construction of new
 bridges over Porter Slough leading
 into the business district. About \$45,-
 000 will be expended in bridge con-
 struction, if the report is accepted.

IRRIGATION WORK

BUTTE, Montana.—Contracts
 amounting to \$895,303 for the con-
 struction of the wooden and steel pipe
 line from the Big Hole River to Butte,
 doubling the city's water supply, has
 been let by the Butte Water Company.
 The contract for the wooden pipe line,
 amounting to \$383,060.70, was let to the
 Redwood Manufacturing Co., Hobart
 Bldg., San Francisco. The contract for
 the steel line and valves were let,
 amounting to \$167,242 and \$20,000, re-
 spectively. The contract states that the
 work shall be completed by Octo-
 ber, 1920. The estimated cost of
 labor is \$325,000.

SAN JOSE, Santa Clara Co., Cal.—
 Bids will be received by Henry A.
 Pfister, County Clerk, up to 11 A. M.,
 December 1st, for digging well and
 supplying material for irrigation plant
 at the county almshouse, Milpitas.

PENNINGTON, Sutter Co., Cal.—At
 the next meeting of the Pennington
 Farm Center a committee will report
 upon the practicability of forming a
 new irrigation district to cover about
 2,000 acres in this vicinity.

The plan is to bring water in from
 the Sutter-Butte Canal Company's
 ditches.

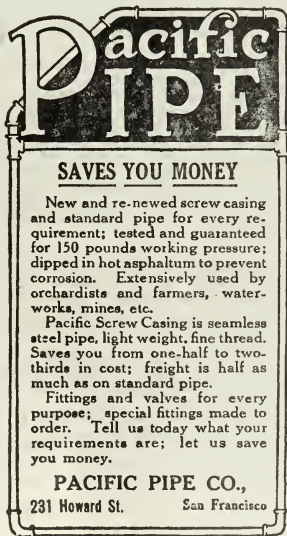
SEWERS, STREET WORK,
ROADS AND WATER
SYSTEMS

Hussey, Civil Engineer, has been in-
 structed by the City Council to pre-
 pare plans and specifications for bet-
 terments to the city water system.
 The work will cost about \$500,000.

Included in the additions and bet-
 terments to the system will be the erec-
 tion of a large settling reservoir of
 24,000,000 gallons capacity, four miles
 northeast of Walla Walla. A new con-
 duct between this reservoir and a new
 diversion dam to be built is planned
 and 3 ½ miles of 30-inch wood stave
 pipe will be laid. In addition, sev-
 eral stretches of pipe of various sizes
 will be laid as well as necessary
 changes to the existing system.

FRESNO, Fresno Co., Cal.—The City
 Council, Chas. Dillon, City Clerk, has
 awarded contracts for street improve-
 ments as follows:

To the Federal Construction Co., for
 the improvement of Van Ness avenue
 from the south line of Olive avenue to
 a line 60 feet south of the present line
 of University avenue by grading, con-
 structing cement concrete gutters, in-
 stallation of corrugated iron culverts



**Pacific
PIPE**

SAVES YOU MONEY

New and re-nued screw casing
 and standard pipe for every re-
 quirement; tested and guaranteed
 for 150 pounds working pressure;
 dipped in hot asphaltum to prevent
 corrosion. Extensively used by
 orchardists and farmers, water-
 works, mines, etc.

Pacific Screw Casing is seamless
 steel pipe, light weight, fine thread.
 Saves you from one-half to two-
 thirds in cost; freight is half as
 much as on standard pipe.

Fittings and valves for every
 purpose; special fittings made to
 order. Tell us today what your
 requirements are; let us save
 you money.

PACIFIC PIPE CO.,
 231 Howard St. San Francisco

and paving with a 5-inch crushed rock base on a two-inch bitulithic wearing surface.

To the Federal Construction Co., for the improvement of Tulare avenue from the east line of First street to the east line of Sixth street by grading, constructing cement concrete curbs and gutters, installation of corrugated iron cross and return culverts with manholes and paving with a 4-inch pavement of cement concrete base and a 1½-in. bitulithic wearing surface.

To the California Road & Improvement Co., Bank of Italy Bldg., Fresno, for the improvement of College avenue between Belmont avenue and Bremer Ave. and one the south side of Bremer avenue between Van Ness and College avenues by the construction of artificial stone sidewalks, except where already in place.

To the California Road & Improvement Co., for the improvement of Yale and Cambridge avenues from the east line of Marga avenue to the west line of College avenue by grading, constructing cement concrete gutters and paving with an asphalt concrete base, 2½ inches thick, and a bitulithic wearing surface 1½ inches thick.

To Fredericksen & Shannon, Fresno, for the construction of a 20, 18, 16, 12, 10 and 8 inch cement concrete and some vitrified sewer pipes, in portions of California avenue, Third street, Hamilton avenue and Montecito avenue.

UPLAND, San Bernardino Co., Cal.—Because of an error in the proceedings it will be necessary for the city to re-advertise for bids for paving four miles of Euclid avenue, the contract for which was recently awarded to W. C. Cline of Upland, at \$96,456. New proceedings will be started.

TUCSON, Ariz.—L. E. Barker has been appointed highway engineer of Pima county, to have charge of the construction of roads under the \$1,500,000 bond issue to fill the vacancy caused by the death of J. C. Ryana. Bids will probably be called for within 30 days for constructing the first stretch of road to be built, 22 miles, between Ajo and Gunsight.

PORTLAND, Ore.—Jacobsen-Jensen Co., Portland, submitted the only bid to the City Council for the construction of the sewer system to be known as East Sixty-fifth street and Stanton Street Sewer Systems. The bid was \$64,967.09 for cement pipe.

VALLEJO, Solano Co., Cal.—R. J. Blanco, Vallejo, has been awarded the contract for the paving of Lozier avenue on his bid of \$1,735.50. The only other bidder was Worswick Construction Co., at \$1,740.60.

OAKLAND, Cal.—The City Council, L. W. Cummings, City Clerk, has directed the City Engineer to prepare proceedings providing for the improvement of Montana street from Champion street to Peralta avenue.

TRACY, San Joaquin Co., Cal.—J. E. Johnston, Tracy, has been awarded the contract for the extension of the water

and sewer systems, both in Rosedale and south of the Clinch, on his bid of \$3,401.29. T. E. Clinch submitted a bid of \$3,930.91.

OROVILLE, Butte Co., Cal.—D. C. Howard, California National Bk Bldg., Sacramento, has been awarded a contract by the County Supervisors for the extension of the Marysville road from a point south of Oroville to the Kerby Place, near the Union District road.

SANTA CRUZ, Santa Cruz Co., Cal.—The bid of Bos & O'Brien of San Francisco, at \$49,571.34 for the construction of the Santa Cruz-Soquel Road, the first unit of the County Highway System, has been rejected.

The work will probably be done by day labor under the supervision of Lloyd Aldrich, County Highway Engineer.

OAKLAND, Cal.—The City Council, L. W. Cummings, City Clerk, has awarded a contract to the Oakland Paving Co., 5000 Broadway, Oakland, for the improvement of Blossom street from the west line of Fruitvale avenue to a line 533.5 feet west from Fruitvale avenue by grading, constructing cement curbs and gutters, laying an oil macadam pavement and the construction of cement concrete sidewalks and 10" pipe conduit.

Breese-Burgund Co., 2010 38th Ave., Oakland, has been awarded the contract for the improvement of portions of Frederick street by grading, constructing redwood header boards and the laying of a concrete pavement.

MERCED, Merced Co., Cal.—The City Trustees, J. D. Wood, City Clerk, has passed resolution of Intention No. 63, providing for the improvement of the south half of 21st street from the west line of "Q" street to the east line of "Q" street by grading; constructing concrete curbs and paving with a four inch hydraulic cement concrete base and a rock and asphalt wearing surface five-eighths of an inch thick.

OAKLAND, Cal.—The City Council, L. W. Cummings, City Clerk, has passed Resolution of Intention No. 19298 N. S. providing for the improvement of Fourteenth street from Market to Wood street by grading, constructing concrete curbs and brick gutters, 14 inches wide, and paving with an asphalt macadam; construction of 14 brick catchbasins with cast iron inlet tops, vitrified pipe conduits and sewer.

FRESNO, Fresno Co., Cal.—Bids will be received by the County Supervisors, D. M. Barnwell, County Clerk, up to November 24th, 2 P. M., for improving county highway Route 11, Section "A."

All bids are to be compared on the basis of the County Surveyor's estimate of the quantities of work to be done, as follows:

Item 1, 21550 cubic yards of earth-work without classification.

Item 2, 15670 cubic yards of Portland cement concrete base.

Item 3, — square feet of asphalt wearing surface, Type A.

Item 4, — square feet of asphalt wearing surface, Type B.

Item 5, — square feet of asphalt concrete pavement.

Item 6, — square feet of bituminous macadam.

Item 7, Total of 14 culverts.

Item 8, Total of 32 linear feet of railing.

Plans may be had from Chris. P. Jensen, County Highway Engineer, Cory Bldg., Fresno.

SACRAMENTO, Cal.—The City Council has directed City Engineer Frank T. Miller to proceed with working drawings for the filtration plant planned under the recent bond issue. Further delays regarding the proposed system will not be tolerated by the City Council it is said.

SACRAMENTO, Cal.—A petition has been received by the City Council asking the paving of Sixth avenue from Franklin Boulevard to Sacramento Boulevard.

The matter has been referred to the Street Department for report. M. J. Desmond is City Clerk.

MODESTO, Stanislaus Co., Cal.—J. H. Richers has been awarded a contract by the City Council, W. O. Thompson, City Clerk, for the construction of cement concrete sidewalks, 5 feet in width on portions of Sixth street, he being low bidder at 17 cents per sq. ft.

OAKLAND, Cal.—The City Council has passed resolution of intention No. 19253 NS., providing for the improvement of Lynde street from Peralta avenue southeasterly by grading; constructing concrete curbs and gutters, and laying an oil macadam pavement, vitrified pipe conduits 10" in diameter. L. W. Cummings is City Clerk.

SANTA CRUZ, Santa Cruz Co., Cal.—The City Engineer has been instructed to prepare plans and specifications for the construction of sidewalks on the north side of Third street between the Bowman and Sly properties.

MARTINEZ, Contra Costa Co., Cal.—Property owners in Escobar street have awarded a (private) contract to Paul & Sayles for the improvement of that thoroughfare from Ferry to Lafayette street.

VENICE, Los Angeles Co., Cal.—Jos. Swamy of Santa Monica, submitted the lowest bid and was awarded the contract at \$39,000 for improving Virginia avenue by grading and paving with 5 inches of concrete and constructing cement curbs and sidewalks between Ocean Front walk and Strong's Drive; grading and oiling and constructing cement curbs between Strong's Drive and Lincoln Blvd.; grading, oiling and graveling Strong's Drive between Natilus avenue and Virginia avenue, and constructing a timber bridge across Canal street at Virginia avenue. The work will be done under the Vrooman act. Pearson & Summers submitted a bid at about \$45,000 and Braun, Bryant & Austin a bid at about \$46,000. W. F. Crawford, City Engineer.

BERKELEY, Alameda Co., Cal.—The City Council, A. G. Briggs, City Clerk, has awarded a contract to the Oakland Paving Co., 5000 Broadway, Oakland, for the improvement of Fourth street by grading; constructing redwood curbs and concrete gutters 2 feet wide, and macadamizing between gutters with asphalt surfaced macadam, from the north line of Gilman street to a line 500 feet north of Harrison street and the construction of concrete gutters on the north and south sides of Harrison street across Fourth street.

RICHMOND, Contra Costa Co., Cal.—The City Council, A. C. Paris, City Clerk, has awarded a contract to J. E. Staniger, of Point Richmond, for the improvement of portions of Santa Fe avenue by grading; paving with 4-inch cement concrete; redwood liners; construction of 4-inch lateral sewers with Y branches.

OAKLAND, Cal.—Bids will be received by L. W. Cummings, City Clerk, up to 12 M., November 20th, for the replacement of the fresh water connection of the high-pressure fire system in Oak street from 12th street north to the pumping station.

PORTLAND, Ore.—C. H. Purcell, District Engineer for the Bureau of Roads, U. S. Department of Agriculture, reports that no bids were received for the 57-mile stretch of highway between Sisters and Blue river. Mr. Purcell stated that new bids would be called for later. The reason for no bids being submitted was that contractors equipped to handle the large jobs are busy with state work.

BERKELEY, Cal.—The City Council has awarded a contract to the Oakland Paving Co., 5000 Broadway, Oakland, for the improvement of Virginia street by grading from the east line of Third street westerly to the east line of Second street and that an asphalt macadam pavement 18 feet wide be constructed in the center of Virginia street from the east line of Third street to the west line of Second St. A. G. Briggs is City Clerk.

LODI, San Joaquin Co., Cal.—Petitions asking the improvement of Lockeford street for a distance of two blocks, between Church and Sacramento streets, are being circulated and will be presented to the City Trustees at the next meeting.

TULARE, Tulare Co., Cal.—City Engineer Barryhill has completed plans for the paving of a dangerous strip of highway north of the Santa Fe tracks, and City Attorney Holland has been instructed to prepare the necessary proceedings providing for the work.

NAPA, Napa Co., Cal.—F. A. Burge, of Napa, has been awarded a contract by the County Supervisors for furnishing labor and equipment for the operation of the county rock quarry.

CLIFTON, Ariz.—Cotey & Black of Clifton, were awarded the contract at \$123,645.67 for constructing a sewer system for Clifton. McLean & Walsh

of El Segundo, Calif., submitted the only other bid at \$137,251.75. There will be an Imhoff tank, 20x28 ft., reinforced concrete construction. Olmsted & Gillelen, Hollingsworth Bldg., Los Angeles, consulting engineers; A. J. Kerr, town engineer.

OAKLAND, Cal.—The City Council, L. W. Cummings, City Clerk, has awarded a contract to Bates & Borland, Oakland Bank of Savings Bldg., Oakland, for the improvement of Halliday avenue from the northwest line of 73rd avenue to the southeast line of Church street by grading, constructing concrete gutters and curbs and paving with an oil macadam pavement.

Bates & Borland were also awarded the contract for the improvement of Viola street from the southwest line of Penniman avenue to the northeast line of Allendale avenue by grading, constructing concrete curbs and gutters; installation of culverts; cast iron manholes and paving with an oil macadam pavement.

SANTA CRUZ, Santa Cruz Co., Cal.—The County Supervisors have ordered County Engineer Lloyd Bowman to proceed with the construction of the county highway system between Santa Cruz and Sequel. It is thought that the stretch can be built for less than \$37,000.

Bos & O'Brien of San Francisco submitted the only bid for the work at \$49,571.34, but this was rejected.

NAPA, Napa Co., Cal.—The County Supervisors, Jas. Daly, County Clerk, has awarded a contract to R. J. Bianco, for the grading and covering of a portion of the county highway between St. Helena and Calistoga on his bid of \$49,000.

The contract for furnishing and delivering crushed rock and screenings was awarded to A. R. Sittig at \$2-132.25.

SANTA ROSA, Sonoma Co., Cal.—The City Engineer has completed plans for the improvement of E street from Fourth street to the bridge and will present same to the City Council for approval within the next few days.

WOODLAND, Yolo Co., Cal.—Street improvements and curb and gutter construction that were postponed during the period of the war are to be resumed here next Spring.

The City Trustees have instructed City Attorney J. H. Laueffour to prepare the necessary proceedings for the work.

CHICO, Butte Co., Cal.—Additional sidewalks are to be constructed in Chico, according to an Ordinance passed by the City Trustees creating Sidewalk District No. 5 for Rio Chico Way.

OAKLAND, Cal.—The City Council has passed a resolution of intention for the improvement of Fruitvale avenue between East Fourteenth street and Foothill Boulevard by grading; constructing concrete curbs; brick gutters and laying an asphalt pavement; vitrified pipe conduits; construction of brick manholes, etc. L. W. Cummings is City Clerk.

SANTA CRUZ, Santa Cruz Co., Cal.—

The City Engineer has been instructed to prepare plans for completing unfinished portions of concrete sidewalks in First avenue.

FIRE EQUIPMENT.

TRACY, San Joaquin Co., Cal.—Four bids were submitted to the City Council for furnishing fire hose to the city fire department. The Pioneer Rubber Company of Pittsburgh submitted a bid of \$9.7 per foot up to \$1.20 and the Fabian-Grunauer Company a bid of 98 cents per foot.

LIVERMORE, Alameda Co., Cal.—The following bids were received by the City Trustees for furnishing and delivering one motor-propelled fire engine with hose car:

Philip S. Cole, Inc.—350 gallon pump; 4-cylinder engine with solid tires, \$8-330; same engine with pneumatic tires, \$8,680.

Schnee & Scheeline—750 gallon pump; 140-horse power, 6-cylinder engine painted gray, \$9,650; same engine painted fire department red, \$9,875.

Seagrave Co.—325-gallon pump; 80-horse-power, 4-cylinder engine, \$8,750; 325-gallon pump; 120-horse-power, 6-cylinder engine, \$9,250; 500-gallon pump, 80-horse-power, 4-cylinder engine, \$10,250; 80-gallon pump, 120-horse-power, 6-cylinder engine, \$10,750.

American-La France Fire Engine Co.—300-gallon pump; 75-horse-power, 4-cylinder engine, \$8,850; 600-gallon pump; 75-horse-power, 4-cylinder engine, \$9,100; 600-gallon pump; 75-horse-power, 4-cylinder engine, \$10-350; 600-gallon pump; 75-horse-power, 4-cylinder engine, \$10,600.

All bids were taken under advisement.

SAN JOSE, Santa Clara Co., Cal.—Specifications prepared by the County Engineer for furnishing and delivering to the County of Santa Clara, one or more, Pierce-Arrow, 5-ton, motor trucks, all steel, complete, have been approved by the County Supervisors, Henry A. Pfister, County Clerk, and bids have been ordered received up to December 1st, 11 A. M.

HEALDSBURG, Sonoma Co., Cal.—Bids are being received by the City Trustees for furnishing and delivering 500 feet of new hose for the fire department. Specifications may be had from the City Clerk.

WOODBURY, N. J.—Somebody has stolen a \$2000 bridge belonging to Monroe township. It was built across Great Egg Harbor river. A reward of \$200 is offered for its recovery.

The output of platinum, palladium, and other metals of the platinum group in Alaska in 1918 is estimated at 284 fine ounces, valued at \$36,600, according to the U. S. Geological Survey, Department of the Interior.

Platinum was recovered from the gold placers of some districts in larger amounts and from some in smaller amounts than last year.

One of the most interesting events of the year in connection with Alaska mining is the recovery of substantial amounts of palladium and of some platinum from the copper ore of the Salt Creek mine, near Ketchikan.

CONTRACTS AWARDED

Liens, Acceptances, Etc.

BUILDING CONTRACTS.

San Francisco County.

The following is an index for the contracts for this issue.

No.	Owner	Contractor	Am't.
2412	Hansen	Hansen	4400
2413	Buckbee	Swenson	850
2414	Dalbiesio	Garnyost	3500
2415	Fox	Moller	1600
2416	Johnson	Terranova	450
2417	Johnson	Terranova	445
2418	Kendall	Hamilton	2947
2419	Ballinger	Nelson	7000
2420	Allen	Hamill	24000
2421	Allen	Allen	12000
2422	Allen	Allen	12000
2423	Priz	Pearson	500
2424	Thomson	Gallier	1000
2425	Western Un	Malloch	10935
2426	Same	Snook	2197
2427	Same	Wachter	1386
2428	Same	Decker	2298
2429	Woolsey	Am. Conc	1750
2430	Eureka Sash	Owner	1500
2431	Berta	Berta	1000
2432	St. Josephs	Fennell	4000
2433	Hansen	Hansen	6800
2434	Same	Same	6500
2435	Mangels	Mangels	6200
2436	Schoenberg	Gibbs	1400
2437	Hirschfeld	Home Mfg	3551
2438	Nelson	Nelson	7500
2439	Nelson	Nelson	7000
2440	Nelson	Nelson	7500
2441	Nelson	Nelson	7000
2442	United Cigar	Ellingson	4000
2443	Western States Am	Mble	9508
2444	Same	Fink	2456
2445	Crocker	Samuelson	13600
2446	Fiberstone	Coburn	4500
2447	Johnson	Johnson	2800
2448	Boyd	Robinson	400
2449	Coghlan	Coburn	4500
2450	Hindes	Pasqualetti	1000
2451	Scuti	Owner	800
2452	Nelson	Nelson	7000
2453	Recorder	Reed	2190
2454	Same	Goodman	1550
2455	U S Rubber	Martin	45000
2456	Arman	Sullivan	750
2457	Connolly	Connolly	750
2458	Hohfeld	Forbes	15940
2459	Amer Fin	Zelinsky	2235
2460	Same	Sorenson	28459
2461	Fisher	Fisher	6000
2462	Luce	Luce	2500
2463	Richardson	Richardson	500

FRAME DWELLING

(2412) E TWENTIETH AVE 125 S Pacheo. One-story and basement frame dwelling.

Owner—Mary P. Hansen, 1717 Lincoln Way, San Francisco.

Architect—L. Hansen.

Contractor—L. Hansen, 2020 20th Ave., San Francisco.

COST, \$4400

ALTERATIONS

(2413) NO. 17 SECOND. Remove brick column and alter front.

Owner—Buckbee, Thorn Co., 151 Sutter, San Francisco.

Architect—None.

Contractor—Swenson & Franzen, 145 Natoma, San Francisco.

COST, \$850

SHED

(2414) NE DAVIDSON & NEWHALL. One-story frame hog shed.

Owner—A. Dalbesio and B. Gurnero. Architect—None.

Contractor—C. L. Garnyost, 1593 Thomas Ave., San Francisco.

COST, \$3500

REPAIRS

(2415) NO. 252 ALMA. Repair fire damage.

Owner—M. Fox, Merchants' Exchange Bldg., San Francisco.

Architect—None.

Contractor—R. W. Moller, 614 Call Bldg., San Francisco.

COST, \$1600

ALTERATIONS

(2416) NO. 54 CROWN TERRACE. Alter for garage.

Owner—James Johnson, Premises.

Architect—None.

Contractor—G. Terranova, 185 Ellsworth, San Francisco.

COST, \$445

ALTERATIONS

(2417) NO. 58 CROWN TERRACE. Alter for garage.

Owner—Sidney Johnson, Premises.

Architect—None.

Contractor—G. Terranova, 185 Ellsworth, San Francisco.

COST, \$445

ALTERATIONS

(2418) NO. 25 SEVENTEENTH AVE. All work for alterations and additions to garage and residence.

Owner—Zeb Kendall, Premises.

Architect—O'Brien Bros., Inc., 240 Montgomery St., San Francisco.

Contractor—Peter Hamilton, Russ Bldg., San Francisco.

Filed Nov. 3, '19. Dated Oct. 31, '19.

Grading finished and joists framed for bay.....\$736.75

Bay framed & garage framed. 736.75

Garage enclosed and bay enclosed 736.75

Completed and accepted..... 736.75

TOTAL COST, \$2947.00

Bond, none. Limit, 45 days. Forfeit, none. Plans and specifications filed.

ALTERATIONS

(2419) NW FIFTEENTH AND SHOTWELL Alter and add for (4) apartments (3-story frame).

Owner—F. Ballinger, Cr. Architects.

Architect—O'Brien Bros., 240 Montgomery, San Francisco.

Contractor—Emil Nelson, 39 Delmar, San Francisco.

COST, \$7000

FRAME RESIDENCES

(2420) S LAKE 60 and 120 W 28th Ave. Two two-story and basement frame residence.

Owner—Allen & Co., Sea Cliff, S. F.

Architect—Earle B. Bertz, 68 Post St., San Francisco.

Contractor—Thos. Hamill, 4101 Balboa St., San Francisco.

COST, \$12000 each

FRAME DWELLING

(2421) SE LAKE AND TWENTYNINTH AVE. Two-story and basement frame dwelling.

Owner—Allen & Co., Sea Cliff, S. F.

Architect—Earle B. Bertz, 68 Post St., San Francisco.

Contractor—Thos. Hamill, 4101 Balboa St., San Francisco.

COST, \$12,000

FRAME RESIDENCE

(2422) SW LAKE AND TWENTYEIGHTH AVE. Two-story and basement frame residence.

Owner—Allen & Co., Sea Cliff, S. F.

Architect—Earle B. Bertz, 68 Post St., San Francisco.

Contractor—Thos. Hamill, 4101 Balboa St., San Francisco.

COST, \$12,000

ALTERATIONS

(2423) NO. 331 PARK. Raise and alter dwelling.

Owner—N. A. Fritz, Premises.

Architect—None.

Contractor—E. K. Pearson, 2372 Bryant, San Francisco.

COST, \$500

REPAIRS

(2424) N CHARLES 100 W Mission. Repair fire damage to planing mill.

Owner—H. S. Thomson, Premises.

Architect—Chas. E. Gottschalk, Phelan Bldg., San Francisco.

Contractor—Roy Gallier, 89 Dehon, San Francisco.

COST, \$1000

ALTERATIONS

(2425) NO. 51 GEARY AND 722 Market. Wrecking, masonry, marble, terrazzo, rough and finish carpenter, glass and glazing, metal furring and partitions for alterations and additions to building.

Owner—Western Union Telegraph Co.

Architect—Frederick H. Meyer, 742 Market, San Francisco.

Contractor—J. S. Malloch, 110 Jessie, San Francisco.

Filed Nov. 4, '19. Dated Oct. 31, '19.

On list of each month..... 75%

Usual 35 days..... 25%

TOTAL COST, \$10,935

Bond, \$5467.50. Surety, The Fidelity & Casualty Co. Limit, 50 days. Forfeit, none. Plans and specifications filed.

(2426) PLUMBING ON ABOVE.

Contractor—Frederick W. Snook, 594 Clay, San Francisco.

Filed Nov. 4, '19. Dated Oct. 31, '19.

Payments same as above.....

TOTAL COST, \$2197

Bond, \$1098.50. Sureties, Wm. J. Forrester & K. G. Haderle. Limit, 50 days. Forfeit, none. Plans and specifications filed.

(2427) PAINTING ON ABOVE.

Contractor—H. Wachter, Chronicle Bldg., San Francisco.

Filed Nov. 4, '19. Dated Oct. 31, '19.

Payments same as above.....

TOTAL COST, \$1386

Bond, none. Limit, 50 days. Forfeit, none. Plans and specifications filed.

(2428) ELECTRICAL WORK ON above.

Contractor—Decker Elec. Constr. Co., 149 New Montgomery, S. F.

Filed Nov. 4, '19. Dated Oct. 31, '19.
Payments same as above.....
TOTAL COST, \$2298
Bond, \$1149. Surety, New Amsterdam
Casualty Co. Limit, forfeit, none.
Plans and specifications filed.

ALTERATIONS

(2429) NO. 2229 SACRAMENTO. Alter
for private garage.
Owner—Dr. Chester H. Woolsey, Prem.
Architect—None.
Contractor—American Concrete Co.,
785 Market, San Francisco.
COST, \$1750

ALTERATIONS

(2430) NO. 1715 MISSION (rear).
Remodel planing mill.
Owner—Eureka Sash & Door Mills,
Premises.
Architect—None.
Day's work. **COST, \$1500**

FRAME DWELLING

(2431) N GIRARD 95 E Olmstead.
One-story and basement frame
dwelling.
Owner—Frank Berta, 997 Silva Ave.,
San Francisco.
Architect—None.
Day's work. **COST, \$1000**

RETAINING WALL

(2432) PARK HILL AND BUENA
Vista Ave. Erect Retaining wall.
Owner—St. Joseph's Hospital, Prem.
Architect—Leo J. Devlin, Pacific Bldg.
San Francisco.
Contractor—Fennell & Chisholm, 180
Jessie, San Francisco.
COST, \$4000

FRAME BUNGALOW

(2433) LOT 8 BLK 3107 Westwood
Park. All work for one-story frame
bungalow.
Owner—Walter and H. J. Hansen, 1327
20th Ave., San Francisco.
Architect—Ida F. McCain, 318 Kearny
Ave., San Francisco.
Contractor—Hans J. Hansen, 1327 20th
Ave., San Francisco.
Filed Nov. 5, '19. Dated Oct. 21, '19.
Frame up and enclosed.....\$1700
Brown coated 1700
Completed and accepted..... 1700
Usual 35 days..... 1700
TOTAL COST, \$6800
Bond, \$3400. Sureties, Elling Ellingson
and E. V. Lacey, Limit, 90 days. For-
feit, none. Plans and specifications
filed.

FRAME BUNGALOW

(2434) LOT 3 BLK 3166, Westwood
Park. All work for one-story frame
bungalow.
Owner—Walter and H. J. Hansen, 1327
20th Ave., San Francisco.
Architect—Ida F. McCain, 318 Kearny
St., San Francisco.
Contractor—Hans J. Hansen, 1327 20th
Ave., San Francisco.
Filed Nov. 5, '19. Dated Oct. 21, '19.
Frame up and enclosed.....\$1625
Brown coated 1625
Completed and accepted..... 1625
Usual 35 days..... 1625
TOTAL COST, \$6500
Bond, \$3250. Sureties, E. V. Lacey and
Elling Ellingson. Limit, 90 days. For-
feit, none. Plans and specifications
filed.

FRAME DWELLING

(2435) W MIRAMAR 135 S Wildwood
being Lot 4 Blk 3175, Westwood
Park. All work for one-story and
basement frame dwelling.
Owner—Henry C. and Wm. J. Mangels,
1142 Naples, San Francisco.
Architect—Theo. Lenzen, Humboldt
Bank Bldg., San Francisco.
Contractor—Mangels Bros., 1142 Naples
San Francisco.
Filed Nov. 5, '19. Dated Oct. 16, '19.
Frame up and enclosed.....\$1550
Brown coated 1550
Completed and accepted..... 1550
Usual 35 days..... 1550
TOTAL COST, \$6200

Bond, \$3100. Sureties, Annie L. Kohl-
becker and Mrs. H. J. Mangels. Limit,
90 days. Forfeit, none. Plans and
specifications filed.

NOTE—1st report Oct. 18, No. 2263.

PLUMBING

(2436) N BUSH 137-6 W Taylor W
82-6 N 137-6. Plumbing for one-story
and basement brick store building.
Owner—Paulina Schoenberg, 2010
Pacific Ave., San Francisco.
Architect—Mel I. Schwartz, Nevada Bk.
Bldg., San Francisco.
Contractor—J. Gibbs, 1708 Geary St.,
San Francisco.
Filed Nov. 5, '19. Dated Oct. 27, '19.
Plumbing roughed in.....\$525
Completed and accepted..... 525
Usual 35 days..... 350
TOTAL COST, \$1400

Bond, \$700. Sureties, M. Gibbs and A.
Morris. Limit, 30 days. Forfeit, plans
and specifications, none.

ALTERATIONS

(2437) NO. 76 ELLIS N side bet. Pow-
ell and S. ockton. Alterations to
store.
Owner—Al Hirschfeld & Co., 476 Jack-
son, San Francisco.

Architect—None.
Contractor—Home Manufacturing Co.,
543 Drannan, San Francisco.
Filed Nov. 5, '19. Dated Nov. 4, '19.
January 1, 1920\$1000
February 1, 1920 1000
March 1, 1920 1000
April 1, 1920 551
TOTAL COST, \$3551

Bond, Sureties, Forfeit, none. Limit,
February 1, 1920. Plans and specifica-
tions filed.

FRAME BUNGALOW

(2438) LOT 6 BLK 3134, Westwood
Park. All work for one-story frame
bungalow.
Owner—Hans Nelson, 1375 Plymouth
Ave., San Francisco.
Architect—Chas. F. Strothoff, 2276
15th, San Francisco.
Contractor—Nelson Bros., 1375 Ply-
mouth Ave., San Francisco.
Filed Nov. 5, '19. Dated Oct. 22, '19.
Frame up & building enclosed.....\$1875
Interior & exterior brown coated 1875
Building completed 1875
Usual 35 days..... 1875
TOTAL COST, \$7500

Bond, \$3500. Sureties, Chas. Monson
and Edwin T. Peterson. Limit, 90 days.
Forfeit, none. Plans and specifica-
tions filed.

FRAME BUNGALOW

(2439) LOTS 6, 7 AND 8 BLK 3177,
Westwood Park. All work for one-
story frame bungalow

Owner—Hans Nelson, 1375 Plymouth
Ave., San Francisco.
Architect—Chas. F. Strothoff, 2276
15th, San Francisco.
Contractor—Nelson Bros., 1375 Ply-
mouth Ave., San Francisco.
Filed Nov. 5, '19. Dated Nov. 5, '19.
Frame up & building enclosed.....\$1750
Interior & exterior brown coated 1750
Building completed 1750
Usual 35 days..... 1750
TOTAL COST, \$7000

Bond, \$3500. Sureties, Chas. Monson
and Edwin T. Peterson. Limit, 90 days.
Forfeit, none. Plans and specifica-
tions filed.

FRAME BUNGALOW

(2440) LOT 7 BLK 3134, Westwood
Park. All work for one-story frame
bungalow.
Owner—Hans Nelson, 1375 Plymouth
Ave., San Francisco.
Architect—Chas. F. Strothoff, 2276
15th, San Francisco.
Contractor—Nelson Bros., 1375 Ply-
mouth Ave., San Francisco.
Filed Nov. 5, '19. Dated Oct. 22, '19.
Frame up & building enclosed.....\$1875
Interior & exterior brown coated 1875
Building completed 1875
Usual 35 days..... 1875
TOTAL COST, \$7500

Bond, \$3500. Sureties, Chas. Monson
and Edwin T. Peterson. Limit, 90 days.
Forfeit, none. Plans and specifica-
tions filed.

FRAME BUNGALOW

(2441) LOTS 9, 10 AND 11 BLK 3177,
Westwood Park. All work for one-
story frame bungalow.
Owner—Hans Nelson, 1375 Plymouth
Ave., San Francisco.
Architect—Chas. F. Strothoff, 2276
15th, San Francisco.
Contractor—Nelson Bros., 1375 Ply-
mouth Ave., San Francisco.
Filed Nov. 5, '19. Dated Nov. 5, '19.
Frame up & building enclosed.....\$1750
Interior & exterior brown coated 1750
Building completed 1750
Usual 35 days..... 1750
TOTAL COST, \$7000

Bond, \$3500. Sureties, Chas. Monson
and Edwin T. Peterson. Limit, 90 days.
Forfeit, none. Plans and specifica-
tions filed.

ALTERATIONS

(2442) SE THIRD AND STEVENSON
All work for alterations to building
and store.
Owner—United Cigar Stores Co., 555
Howard St., San Francisco.
Superintendent—Chas. C. Jones, 555
Howard, San Francisco.
Contractor—E. Ellingson, 110 Jessie,
San Francisco.

Filed Nov. 5, '19. Dated Nov. 5, '19.
Wrecking complete\$1000
Store front ready for glass..... 1000
Completed and accepted..... 1000
Usual 35 days..... 1000
TOTAL COST, \$4000

Bond, none. Limit, 35 days. Forfeit,
\$25. Plans and specifications, none.

MARBLE WORK

(2443) SE MARKET AND SIXTH
(Hewes Bldg.) Marble work to be
installed in second story.
Owner—Western States Life Insurance
Co. (a corp.), Wells Fargo Bldg.,
San Francisco.
Architect—Reid Bros., 105 Montgomery
San Francisco.

Contractor—The American Marble & Mosaic Co., 25 Columbus Square, San Francisco.

Filed Nov. 5, '19. Dated Nov. 3, '19.
On completion 75%
Usual 35 days 25%
TOTAL COST, \$9508.50
Bond, \$4500. Surety, American Indemnity Co. Limit, Dec. 31st, 1919. Forfeit, \$25 per day. Plans and specifications filed.

(2444) SE MARKET AND SIXTH.
Carpentry and cabinet work to be installed on second story.

Owner—Western State Life Insurance Co., (a corp.), Wells Fargo Bldg., San Francisco.

Architect—Reid Bros., 105 Montgomery San Francisco.

Contractor—Fink & Schindler Co., 226 15th, San Francisco.

Filed Nov. 5, '19. Dated Nov. 4, '19.
On completion 75%
Usual 35 days 25%
TOTAL COST, \$2456
Bond, \$1200. Sureties, Wm. Ritcher & E. Klass. Limit, January 8, 1920. Forfeit, \$10. Plans and specifications filed.

(2445) S MUNICH 154, 184, 214 and 244 W Cordova. Four one-story and basement frame dwellings.

Owner—Crocker Estate Co., Crocker Bldg., San Francisco.

Architect—None.

Contractor—A. M. Samuelson, 290 Rolph, San Francisco.

COST, \$3400 each

(2446) OAK, VAN NESS AND MARKET. General alterations for tire sales rooms.

Owner—Firestone Tire Co.

Architect—C. O. Clausen, Hearst Bldg., San Francisco.

Contractor—P. R. Ward, 180 Jessie St., San Francisco.

COST, \$4500

FRAME DWELLING

(2447) W THIRTIETH AVE 150 N Taraval. Two-story and basement frame dwelling.

Owner—Louis Johnson, 2260 19th Ave., San Francisco.

Architect—None.

Day's work. COST, \$2800

ALTERATIONS

(2448) NO. 8 CALIFORNIA. New store front.

Owner—Boyd Estate Co., Inc., 216 Pine, San Francisco.

Architect—Sylvian Schnalttacher, 233 Post, San Francisco.

Contractor—Robinson & Gillespie, 1051 Sutter, San Francisco.

COST, \$400

REPAIRS

(2449) NOS. 12-14 CHATTANOOGA. Shingle roof and repair fire damages.

Owner—M. Corbhan, 180 Jessie, S. F.

Architect—None.

Contractor—Chas. Coburn, 180 Jessie, San Francisco.

COST, \$500

CONCRETE WORK, ETC.

(2450) NO. 2519 BROADWAY. Excavation, concrete work, etc., for garage.

Owner—S. B. Hindes, Premises.

Architect—F. H. Meyer, 742 Market St., San Francisco.

Contractor—Jos. Pasqualetti, Hum-

boldt Bank Bldg., San Francisco.
COST, \$1000

ADDITION

(2451) NE HAWES AND QUESADA. Add one story to dwelling.

Owner—A. Sciuti, 1196 Quesada, S. F.

Architect—P. De Martini, 2123 Powell, San Francisco.

Day's work. COST, \$8000

FRAME BUNGALOW

(2452) W PLYMOUTH AVE 1908 from NE Cor. Lot 6 Blk 3177 Westwood Park S 89 deg 38 min 14 sec W 98.163 N 35.823 N 88 deg. 06 min. 21 sec. E 98.138 S 38.454 Ptn Lots 4, 5 and 6 Blk 3177, Westwood Park. All work for one-story frame bungalow.

Owner—Hans Nelson, 1375 Plymouth Ave., San Francisco.

Architect—None.

Contractor—Nelson Bros., 1375 Plymouth Ave., San Francisco.

Filed Nov. 6, '19. Dated Oct. —, '19.

Enclosed \$1750
Brown coated 1750

Completed and accepted 1750
Usual 35 days 1750

TOTAL COST, \$7000

Bond, \$3500. Sureties, Chas. Monson & Edwin T. Peterson. Limit, 90 days.

Forfeit, none. Plans and specifications filed.

CLASS "C" BUILDING

(2453) SE STEVENSON 496-3 SW 7th SW 28-9xSE 75. Brick work etc., for two-story Class "C" building.

Owner—The Recorder Printing & Publishing Co., 769 Stevenson, S. F.

Architect—None.

Contractor—A. G. Reed, 180 Jessie, San Francisco.

Filed Nov. 6, '19. Dated —.

Monthly payments of 75%
36 days after 25%

TOTAL COST, \$2100

Bond, none. Limit, 15 days. Forfeit, none. Plans and specifications filed.

(2454) CONCRETE WORK ON ABOVE

Contractor—George Goodman Artificial Stone Co., 35 Montgomery St., San Francisco.

Filed Nov. 6, '19. Dated —.

Payments same as above
TOTAL COST, \$1590

Bond, none. Limit, 15 days. Forfeit, none. Plans and specifications filed.

ALTERATIONS

(2455) SW FOLSOM AND SECOND. Office partitions; additions, etc., for two-story brick building.

Owner—U. S. Rubber Co., 336 Second, San Francisco.

Engineer—L. T. Bristoe, 336 Second, San Francisco.

Contractor—Wm. Martin, 110 Jessie, San Francisco.

COST, \$45,000

(2456) NO. 249 MISSOURI. Raise dwelling and construct concrete foundation.

Owner—Wm. Arman, Premises.

Architect—None.

Contractor—D. J. T. Sullivan, 1940-44 Folsom, San Francisco.

COST, \$400

(2457) W EIGHTH AVE 70 S Clement

Alter partition on 1st and 2nd floors.

Owner—Mrs. Wm. Connolly, Premises.

Architect—None.

Day's work. COST, \$750

EXCAVATING, ETC.

(2458) S POST 37-6 E Larkin E 50x 87-6. All work of excavating, concrete and carpentry work for a one-story store building.

Owner—Edw. Hohfeld, Crocker Bldg., San Francisco.

Architect—Edw. T. Foulkes, Crocker Bldg., San Francisco.

Contractor—Richard J. H. Forbes, Mo-nadnock Bldg., San Francisco.

Filed Nov. 7, '19. Dated Nov. 7, '19.

On or before 10 days following 1st and 15th of each month

75% of work done 75%
Usual 35 days 25%

TOTAL COST, \$15,490

Bond, \$8,000. Sureties, New Amsterdam Casualty Co. Forfeit, \$20. Limit, 60 days. Plans and specifications filed.

PAINTING, ETC.

(2459) 44 FRONTAGE ON CALIFORNIA and 43-6 E of Front. Painting of cabinet work, partitions and interior finish.

Owner—American Finance and Commerce Co., 310 Sansome, S. F.

Architect—W. H. Ratcliff, Jr., 1st National Bank Bldg., Berkeley.

Contractor—D. Zelinsky & Sons, 422 Turk, San Francisco.

Filed Nov. 7, '19. Dated Nov. —, '19.

On 1st of each month 75%
Usual 35 days 25%

TOTAL COST, \$2235

Bond, Sureties. Forfeit, none. Limit, as rapidly as possible. Plans and specifications filed.

CABINET WORK, ETC.

(2460) SAME AS ABOVE.

Contractor—Walter Sorenson, 3219 Ellis, Berkeley.

Filed Nov. 7, '19. Dated Nov. —, '19.

Same as above.

TOTAL COST, \$26,459

Bond, \$13,229. Sureties, Maryland Casualty Co. Forfeit, none. Limit, as fast as possible. Plans and specifications filed.

CLASS "C" STORE

(2461) S MISSION 77-6 E Third. One story and basement Class "C" store.

Owner—M. Fisher, 637 Mission, S. F.

Architect—None.

Day's work. COST, \$6000

FRAME DEWLLING

(2462) N SANTA MARINA 50 W Prospect. One-story and basement frame dwelling.

Owner—R. A. Luce, 1353 Folsom, S. F.

Architect—Walter C. Falch, Hearst Bldg., San Francisco.

Day's work. COST, \$2500

CONCRETE WORK, ETC.

(2463) N CHENERY 225 W Roanoke. Concrete work, underpinning, etc.

Owner—M. V. Richardson, 558 Chenery San Francisco.

Architect—None.

Day's work. COST, \$500

COMPLETION NOTICES.

San Francisco County

Nov. 1, 1919—KENTUCKY STREET Warehouse. Walker D Hines, Director General Southern Pacific Co to Flinn & Treacy, Oct. 25, 1919
Nov. 1, 1919—NW VAN NESS AVE and Washington W 123xN 71-84. Charles Holbrook to H Maundrell & Co., Nov. 1, 1919
Nov. 1, 1919—V MISSION 149 N 19th N 49xW 100. The Kern Co to Barrett & Hilper, Oct. 22, 1919

Nov. 3, 1919—S GEARY 115 W 16th Ave W 50x100. J. A. Dignan to Theo. Hamilton. Nov. 2, 1919
Nov. 3, 1919—LOT 10 BLK 3135, Westwood Park. Katherine C. Kingswell to J. H. Hansen. Oct. 25, 1919
Nov. 4, 1919—LOT 2 S 10 feet Lot 1 Blk 3107, Westwood Park. Ida F. McCain to J. H. Hansen. Nov. 4, 1919
Nov. 5, 1919—E TWENTY-NINTH AV 325 N Cabrillo N 25x120. Geo T Gerhardt to Otto Anderson. Nov. 5, 1919
Nov. 7, 1919—E TWENTY-NINTH AV 62,203 S Lake S 25x120. Harry B Allen to whom it may concern. Nov. 4, 1919
Nov. 4, 1919—E TWENTY-NINTH AV 62,203 S Lake S 25x120. Harry B Allen to whom it may concern. Nov. 4, 1919
Nov. 5, 1919—E TWENTY-NINTH AV 137,203 S Lake S 25x120. Harry B Allen to whom it may concern. Nov. 1, 1919
Nov. 5, 1919—E TWENTY-NINTH AV 112,203 S Lake S 25x120. Harry B Allen to whom it may concern. Nov. 1, 1919
Nov. 5, 1919—W JONES 100 S Ellis S 137-6xW 87-6. Robert Ibsen to American Concrete Co. Nov. 3, 1919
Nov. 7, 1919—SE TENTH AND Bryant S 100x125. The Holmes Investment Co to P R Ward. Oct. 30, 1919
Nov. 7, 1919—LOT 12 BLK 3202 West Portal Park. Leo J Ruegg to whom it may concern. Nov. 4, 1919
Nov. 7, 1919—LOT 8 BLK 2920 West Portal Park. Leo J Ruegg to whom it may concern. Nov. 6, 1919
Nov. 7, 1919—SE TENTH AND Bryant S 100x125. The Holmes Investment Co to P R Ward. Oct. 30, 1919
Nov. 7, 1919—S SHORE VIEW AVE 70 W 37th Ave 34x110. No. 65 Shore View Ave. Alton R Lapham to whom it may concern. Oct. 30, 1919
Nov. 7, 1919—PTN LOTS 10, 11 AND 12 Blk 3177, Westwood Park. Hans Nelson to Nelson Bros. Nov. 6, 1919
Nov. 7, 1919—LOT 5 BLK 3165, Westwood Park. Hans Nelson to Nelson Bros. Nov. 6, 1919
Nov. 7, 1919—S POST 28 W Mead Edward Lewis & Henrietta Lewis to Theo S Hoin. Nov. 7, 1919

BUILDING CONTRACTS.

Alameda County.

3390 MacGregor Owner 5900
3391 Dobson Owner 4000
3392 Lyman Lyman 1750
3393 Johanssen Young 800
3394 Meth. Rest Hse Doss 400
3395 Williams Bowers 700
3396 Newsom Newsom 7500
3397 Marquis Marquis 4000
3398 Collins Rames 2500
3399 Marquis Marquis 2000
3400 Borton Bailey 750
3401 Lennon Skagg 985
3402 Koenig Pencovic 500
3403 Smith Walker 1000
3404 United Canneries Decker 1825
3405 Hunter Texdahl 1000
3406 P C Can'g Co Owner 100000
3407 Same Same 12000
3408 Hughes Hughes 1700
3409 Von Ah Von Ah 3000
3410 Lodge Lodge 2300
3411 Johnson Stoltz 2985
3412 Meakin Laing 1500
3413 Hoyt Hoyt 400
3414 Conroy Scott 400
3415 Hahn Shider 475
3416 Fritz Fritz 400
3417 Jackson Quigley 400
3418 Brown Dilling 12600
3419 Hally Fish 2500
3420 Bkly Bpist White 8265
3421 Same Makin 1507
3422 Same Pitt 3750
3423 Mott Skaggs 2600

3424 Partridge Owner 5500
3425 Bischoff Owner 500
3426 Peck Smith 500
3427 Mueller Thornalley 13300
3428 Matern Okd Pwng 3500
3429 Gato Hollenbeck 475
3430 Mickelson Gunter 2000
3431 Starr Strang 6000
3432 Fryer Woodard 4000
3433 Roepcke Owner 1000
3434 Hood Hull 484
3435 Morrissey Spencer 482
3436 Kirchner Pedgirt 400
3437 Bkly Bd Ed Schmidt 11700
3438 Same Schmidt 4700

DWELLING

(3390) N MANDANA BLVD 248 E Calmar, Oakland. Two-story 7-room dwelling.

Owner—C. M. MacGregor, 470 13th St., Oakland.

Architect—None.

Day's work. COST, \$5900

ALTERATIONS

(3391) NO. 1433-35 FIRST AVE., Oakland. Alter flats into apartments.

Owner—M. Dobson, Premises.

Architect—None.

Day's work. COST, \$4000

DWELLING

(3392) E 105TH AVE 675 N E-41th, Oakland. One-story 5-room dwelling.

Owner—Lyman & Sweet, 3777 Broadway, Oakland.

Architect—None.

Day's work. COST, \$1750

ADDITION

(3393) NO. 5000 MANILA AVE., Oakland. Addition.

Owner—W. Johannsen, Premises.

Architect—None.

Contractor—J. H. Young, 350 50th St., Oakland.

COST, \$400

RESHINGLE

(3394) N.O. 4690 TOMPKINS, Oakland. Reshingle.

Owner—Methodist Rest House.

Architect—None.

Contractor—C. A. Doss, 2028 E-15th, Oakland.

COST, \$400

ALTERATIONS

(3395) NO. 1635 LEROY AVE., Berkeley. Alterations.

Owner—Mrs. Williamson, El Granada Apartments, Berkeley.

Architect—None.

Contractor—F. P. Bowers, 2027 Chan-ning Way, Berkeley.

COST, \$700

DWELLING

(3396) S ARDMORE 300 W Mandana Blvd., Oakland. Two-story 8-room dwelling.

Owner—Samuel S. Stevens, Nevada Bk Bldg., Oakland.

Architect—Noble Newsom.

Contractor—Noble Newsom, Thousand Oaks, Berkeley.

COST, \$7500

DWELLING

(3397) S CROFTON AVE 400 E Walker Ave., Oakland. Two-story 6-room dwelling.

Owner—E. M. Marquis, 2827 Russell, Berkeley.

Architect—None.

Day's work. COST, \$4000

ADDITION

(3398) NO. 1046 FIFTY-NINTH, Oakland. Two-story addition to dwlg.

Owner—Mrs. Minnie M. Collins, Prem.

Architect—None.

Contractor—Wm. R. Rames, 959 Ar-lington, Oakland.

COST, \$2500

DWELLING

(3399) W SEMINARY AVE 125 N

Seminary Court, Oakland. One-story

5-room dwelling.

Owner—E. M. Marquis, 2827 Russell, Berkeley.

Architect—None.

Day's work. COST, \$2000

REPAIRS

(3400) NOS. 109-11-13-15 EIGHTH, Oakland. Fire repairs.

Owner—C. Borton, Syndicate Bldg., Oakland.

Architect—None.

Contractor—J. A. Bailey, 1035 Fallon, Oakland.

COST, \$795

ALTERATIONS

(3401) SW MOSS AVE & WEBSTER, Oakland. Alterations.

Owner—Mark Lennon, 4406 Webster, Oakland.

Architect—None.

Contractor—J. H. Skaggs, 536 44th, Oakland.

COST, \$985

ALTERATIONS

(3402) NO. 713 WASHINGTON, Oak-land. Alterations.

Owner—Koenig & Kroll.

Architect—None.

Contractor—J. H. Pencovic, 929 Kirk-ham, Oakland.

COST, \$500

GARAGE

(3403) NO. 308 PERKINS, Oakland. Garage.

Owner—J. P. Smith, Premises.

Contractor—P. J. Walker Co., Monad-nock Bldg., San Francisco.

COST, \$1000

STORAGE SHED

(3404) FOOT EIGHTY-FIFTH AVE., bet. Western and Southern Pacific tracks, Oakland. All work for box storage shed.

Owner—United Canneries Co. of Calif., Premises.

Architect—None.

Contractor—Sam Jones, 2462 Valdez, Oakland.

Filed Nov. 4, '19. Dated Oct. 20, '19.

As work progresses..... 75%

TOTAL COST, \$1825

Bond, none. Limit, 30 days from Oct. 23. Forfeit, \$250. Plans and spec-ifications, none.

SERVICE STATION

(3405) COR UNIVERSITY AVE. AND Milvia, Berkeley. All work for brick service station.

Owner—D. B. Hunter, 2518 College Ave., Berkeley.

Architect—James W. Plachek, 2014 Shattuck Ave., Berkeley.

Contractor—C. Texdahl, 226 Acton Pl., Berkeley.

Filed Nov. 4, '19. Dated _____

TOTAL COST, \$ _____

Plans and specifications only.

CANNERY

(3406) NW TWELFTH AND PINE, Oakland. Two-story reinforced concrete cannery.

Owner—Pacific Coast Canning Co.,
Premises.
Architect—None.
Day's work. COST, \$100,000

BOILER HOUSE
(3407) WEST END TWELFTH, Oak-
land. Two-story reinforced concrete
boiler house.

Owner—Pacific Coast Canning Co., 12th
and Pine, Oakland.
Architect—None.
Day's work. COST, \$12,000

DWELLING
(3408) NW SIXTY-FOURTH AVE AND
Camden, Oakland. One-story 5-room
dwelling.

Owner—C. E. Hughes, 6290 Camden,
Oakland.
Architect—None.
Day's work. COST, \$1700

DWELLING
(3409) NW SIXTY-FOURTH AVE AND
Bromley, Oakland. One-story five-
room dwelling.

Owner—Peter Von Ah, 1725 64th Ave.,
Oakland.
Architect—None.
Day's work. COST, \$3000

DWELLING
(3410) N EDGERLY 180 E 55th Ave.,
Oakland. One-story 5-room dwelling
Owner—Martha E. Lodge, 5494 Bond,
San Francisco.
Architect—None.
Contractor—C. F. Lodge, 5494 Bond,
Oakland. COST, \$2300

DWELLING
(3411) S E-THIRTY-THIRD 150 W
13th Ave., Oakland. One-story five-
room dwelling.
Owner—Henrietta Johnson, 731 Henry,
Oakland.
Architect—None.
Contractor—F. C. Stolte, 3449 Laguna
Ave., Oakland. COST, \$3985

SHOP
(3412) SE E-SIXTEENTH AND 44th
Ave., Oakland. One-story machine
shop.
Owner—W. Meakin, 4417 E-16th, Okd.
Architect—None.
Contractor—P. M. Laing, 5445 Prince-
Oakland. COST, \$1500

DWELLING
(3413) N E-TWENTY-THIRD 150 E
12th Ave., Oakland. One-story 2-room
dwelling.
Owner—R. W. Hoyt, 1224 E-23rd, Okd.
Architect—None.
Day's work. COST, \$400

GARAGE
(3414) NO. 2328 THIRTEENTH AVE.,
Oakland. Garage.
Owner—Mrs. D. Conroy, Premises.
Architect—None.
Contractor—G. A. Scott, 685 23rd, Okd.
COST, \$400

ALTERATIONS
(3415) NO. 1530 SEVENTH, Oakland.
Alterations.
Owner—Mrs. Hahn, Oakland.
Architect—None.
Contractor—J. F. Shrader, 520 16th,
Oakland. COST, \$475

ADDITION
(3416) NO. 6425 COLBY, Oakland.
Addition.
Owner—August Fritz, 6427½ Colby,
Oakland.
Architect—None.
Day's work. COST, \$400

GARAGE
(3417) NO. 395 EUCLID AVE., Oak-
land. Garage.
Owner—F. K. Jackson, Boulevard Way
Oakland.
Architect—None.
Contractor—Chas. E. Quigley, 464 Van
Buren Ave., Oakland. COST, \$400

APARTMENTS
(3418) SE COLLEGE AV & WEBSTER
Berkeley. All work for two-story
frame apartments.
Owner—Gertrude L. Brown, 2725
Pacific Ave., San Francisco.
Architect—None.
Contractor—Verne Dildine, 484 63rd,
Oakland.
Filed Nov. 5, '19. Dated Oct. 31, '19.
Roof on ¼
Brown coated ¼
Completed and accepted ¼
Usual 35 days ¼
TOTAL COST, \$12,600
Bond, none. Limit, 80 days. Forfeit,
none. Plans and specifications filed.

DWELLING
(3419) NO. 1205 HIGH, Alameda. One
story 5-room dwelling.
Owner—Hally & Co., 2315 Santa Clara
Ave., Alameda.
Architect—None.
Contractor—M. H. Fish, 1340 Ver-
sailles Ave., Alameda. COST, \$2500

CONCRETE BUILDING
(3420) SE HILLEGASS AVE AND
Dwight Way S 135.56 E 172.03 N
149.47 W 160, Berkeley. Brick work
for four-story and basement rein-
forced concrete building.
Owner—Berkeley Baptist Divinity
School, 2606 Dwight Way, Bkly.
Architect—Julia Morgan, Merchants'
Exchange Bldg., San Francisco.
Contractor—White & Gloor, Monad-
nock Bldg., San Francisco.

Filed Nov. 5, '19. Dated Sept. 4, '19.
3rd of each month 75%
Usual 35 days 25%
TOTAL COST, \$8265
Bond, \$4133. Surety, Aetna Accident
& Liability Co. Limit, as required.
Forfeit, none. Plans and specifica-
tions filed.

(3421) LATH AND PLASTER ON
above.
Contractor—Wm. Makin, 3828 Beau-
mont Ave., Oakland.
Filed Nov. 5, '19. Dated Sept. —.
Brown coated \$2253.50
Completed and accepted 1126.75
Usual 35 days 1126.75
TOTAL COST, \$4507.00
Bond, \$2250. Sureties, Jerome E. Mac-
Cormac and Jas. H. Pedgrift. Limit,
as required. Forfeit, none. Plans and
specifications filed.

DWELLING
(3422) E HOPKINS 272 S Sutter,
Berkeley. One-story 5-room dwell-
ing.
Owner—Geo. H. Pitt, 524 24th, Okd.
Architect—None.
Day's work. COST, \$3750

DWELLING
(3423) E ELLSWORTH 100 N Channing
Way, Berkeley. One-story 5-room
dwelling.
Owner—James Mott, 2406 Dana, Bkly.
Architect—None.
Contractor—J. H. Skaggs, 536 44th,
Berkeley. COST, \$2000

DWELLING
(3424) NO. 828 MENDOCINO AVE.,
Berkeley. Two-story 8-room dwlg.
Owner—C. W. Partridge, 2428 Virginia
Berkeley.
Architect—None.
Day's work. COST, \$5500

GARAGE
(3425) NO. 2711 RUSSELL, Berkeley,
Garage.
Owner—John A. Bischoff, 3151 Elton
Ave., Berkeley.
Architect—None.
Day's work. COST, \$500

ALTERATIONS
(3426) COR. SHATTUCK AND UNI-
versity Aves, Berkeley. Alterations
Owner—V. P. Peck, 2285 Shattuck
Ave., Berkeley.
Architect—None.
Contractor—Harry C. Smith, 2011
Francisco, Berkeley. COST, \$500

PACKING PLANT
(3427) NW FORTY-SIXTH AVE AND
SW E-14th NW 94.67xSW 96, Oak-
land. All work for one-story re-
inforced concrete and frame packing
plant.
Owner—Otto and Hugo Mueller, Call
Bldg., San Francisco.
Architect—None.
Contractor—W. G. Thornalley, 3027
E-16th, Oakland.

Filed Nov. 6, '19. Dated Nov. 1, '19.
Frame up ¼
Roof on ¼
Completed ¼
Usual 35 days ¼
TOTAL COST, \$13,300
Bond, none. Limit, 90 days. Forfeit,
none. Specifications only filed.

GRADING, ETC.
(3428) LOTS 6 AND 7, Oak Ridge, Ber-
keley. All work for excavating and
grading.
Owner—G. A. Mattern, 2701 Regent,
Berkeley.
Architects—Louis M. Upton and Milton
Latham, Associate, 452 Montgom-
ery, San Francisco.

Contractor—The Oakland Paving Co.,
5000 Broadway, Oakland.
Filed Nov. 5, '18. Dated Nov. 1, '19.
Completed and accepted \$2600
Usual 35 days 900
TOTAL COST, \$3500
Bond, none. Limit, 26 days. Forfeit,
none. Plans only filed.

GARAGE
(3429) NO. 2601 MYRTLE, Oakland.
Garage.
Owner—M. Gato, Premises.
Architect—None.
Contractor—G. B. Hollenbeck, 966 26th,
Oakland. COST, \$475

ADDITION
(3430) NO. 4620 CONGRESS AVE.,
Oakland. Two-story addition to
dwelling.
Owner—L. Mickelsen.

Architect—None.

Contractor—R. L. Gunter, 4700 Fairfax Ave., Oakland.

COST, \$2000

DWELLING

(3431) W HARVARD ROAD 120 N Annerly, Oakland. Two-story 7-room dwelling.

Owner—C. C. Starr, Oakland.

Architect—None.

Contractor—F. N. Strang, 1405 Central Ave., Alameda.

COST, \$6000

DWELLING

(3432) N HOLLYWOOD 200 W Park Blvd., Oakland. Two-story 6-room dwelling.

Owner—Chas. M. Fryer, Oakland.

Architect—None.

Contractor—E. W. Woodard, 4025 Brighton Ave., Oakland.

COST, \$4000

ADDITION

(3433) NO. 3142 PERALTA AVE., Oakland. Addition.

Owner—Franz and Pauline Roepecke, Premises.

Architect—None.

Day's work. COST, \$1000

GARAGE

(3434) NO. 6071 ROCKRIDGE BLVD., Oakland. Garage.

Owner—Geo. Hood.

Architect—None.

Contractor—W. E. Hull, 4709 Shafter Ave., Oakland.

COST, \$484

ALTERATIONS

(3455) NO. 450 E-FOURTEENTH, Oakland. Alterations.

Owner—John Morrissey, 900 Lake Shore Ave., Oakland.

Architect—None.

Contractor—E. O. Spencer, 577 Apgar, San Francisco.

COST, \$482

ALTERATIONS

(3436) NO. 428 BELLEVUE AVE., Oakland. Alterations.

Owner—George Kirchmer, Premises.

Architect—None.

Contractor—Jas. H. Pedgrift, 565 16th, Oakland.

COST, \$400

CEMENT WORK, ETC.

(3437) COR COLUSA AVE AND Tacoma, Berkeley. Concrete and cement work for Thousand Oaks School.

Owner—The Board of Education of the City of Berkeley and of Berkeley School District of Alameda County, State of California.

Architect—William C. Hays, 1st National Bank Bldg., Berkeley.

Contractor—W. J. Schmidt, Cedar and Sacramento, Berkeley.

Filed Nov. 8, '19. Dated Nov. 7, '19.

On 10th of each month..... 75%

Usual 35 days..... 25%

TOTAL COST, \$11,700

Bond, \$5900 and \$5900. Surety, Maryland Casualty Co. Limit, 60 days.

Forfeit, plans and specifications, none.

(3438) EXCAVATING AND GRADING on above.

Contractor—W. J. Schmidt, Cedar and Sacramento, Berkeley.

Filed Nov. 8, '19. Dated Nov. 7, '19.

Payments same as above.....

TOTAL COST, \$4700
Bonds, \$2500 and \$2500. Surety, Maryland Casualty Co. Limit, 30 days. Forfeit, plans and specifications, none.

COMPLETION NOTICES.

Alameda County.

Recorded

Nov. 4, 1919—LOT 9, BLK N EXCELSIOR Heights Tract, Okd. Thomas Wood to George H. Lydskens. Nov. 4, 1919—BOUNDED BY FOOT-hill Blvd., Hillside St., 72nd Ave., Garfield St. and 69th Ave., Oakland. The Chevrolet Motor Company of Cal. to California Artistic Metal & Wire Co. Oct. 31, 1919 Nov. 7, 1919—S 50 Lot 49 and N 50 Lot 48 Map Dutton Manor, Florence B Miller to A C Sharp. Oct. 30, 1919

Accepted

St., Fresno.

Architect—None.

Day's work.

COST, \$2700

ALTERATIONS

NO. 1922 MARIPOSA ST., Fresno. New fronts, etc.

Owner—Radin & Camp, 1931-7 Tulare St., Fresno.

Architect—None.

Contractor—E. Riggins, 317 Mason Bldg., Fresno.

COST, \$2000

GARAGE

LOTS 1 & 2 BLK 21, Kerman, Fresno Co. All work for concrete garage.

Owner—E. F. Huggins, Kerman.

Architect—Swartz & Swartz, Rowell Bldg., Fresno.

Contractor—Robt. W. Brown, 324 S "J" St., Madera.

Filed Nov. 3, '19. Dated Oct. 30, '19.

1% completed.....\$3212.50

% completed.....3212.50

All completed.....3212.50

Usual 35 days.....3212.50

TOTAL COST, \$13,270.00

Bond, \$—, Sureties, Ray R. Dearborn and J. T. White. Limit, 90 days.

Forfeit, \$5 a day. Plans and specifications filed.

STATION

DIVISADERO AND VAN NESS STS., Fresno. Filling station.

Owner—Associated Oil Co., 614 Rowell Bldg., Fresno.

Architect—None.

Day's work. COST, \$1000

REPAIRS

NO. 2413 WASHINGTON AVE., Fresno. Repairs.

Owner—Hans Jensen, Premises.

Architect—None.

Contractor—C. P. Cain, 709 Mildreda St., Fresno.

COST, \$1000

DWELLINGS

LOT 5 BLK 12 and Lot 3 Blk 9, Hazelwood. Three frame dwellings and garages.

Owner—Thos. Montgomery, Fresno.

Architect—None.

Contractor—Reese & Atkins, 3643 Pratt St., Fresno.

COST, \$2900 each

DWELLING

LOTS 30 AND 31 BLK 6, Van Ness Heights, Fresno. Frame dwelling & garage.

Owner—G. A. Wylie, Fresno.

Architect—None.

Day's work. COST, \$2500

DWELLING

LOTS 11 AND 12 BLK 15, North Park Terrace, Fresno. Frame dwelling and garage.

Owner—R. R. Fisher, 1510 Thomas St., Fresno.

Architect—None.

Day's work. COST, \$5500

DWELLING

LOTS 1 AND 2 BLK 36, Orchard Hill Addition, Fresno. Frame dwelling and garage.

Owner—F. Hoyle, Fresno.

Architect—None.

Contractor—C. V. Smith, Fresno.

COST, \$4800

LIENS FILED.

Alameda County.

Oct. 27, 1919—E WILLOW 25 N Pacific N 50x E 74.03, Okd. J H Pencovic (as Pencovic Hardware & Paint Co.) vs Carrie B Parker, T H Atkinson and John Doe.....\$133.50
Oct. 25, 1919—LOTS 10 AND 11 BLK "Q" Map East Piedmont Heights, Piedmont. C B Shenk vs J Coward and Claremont Decorating Co., \$118
Oct. 23, 1919—PTN PLOT 41 Rancho El Valle de San Jose, containing 20.027 acres, Pleasanton Tp. Bay Wrecking Co vs Mabel and John Doe Townner.....\$88

BUILDING CONTRACTS.

Fresno County.

BRICK STORE

"H" ST near San Joaquin St., Fresno. All work for one-story brick store, 75x150.

Owner—Jas. Porteous, 1095 N-Van Ness St., Fresno.

Architect—Eugene Mathewson, Cory Bldg., Fresno.

Contractor—W. H. Minard, 319 Abbey St., Fresno.

Filed Nov. 3, '19. Dated Nov. 3, '19.

Brick work ready for trusses.....\$4660

Roof in place and building enclosed.....4660

When completed.....4660

Usual 35 days.....4661

TOTAL COST, \$18,641

Bond, \$10,000. Sureties, Frank F. Minard and Chas. W. Stewart. Limit, 60 days. Forfeit, \$5. Plans and specifications filed.

HEATING SYSTEM

OIL KING SCHOOL DISTRICT, Fresno County. All work for installing 8 heaters and all blackboards for school.

Owner—Oil King Grammar School District.

Architect—Ernest J. Kump, Rowell Bldg., Fresno.

Contractor—Rucker-Fuller Desk Co., 677 Mission St., San Francisco.

Filed Nov. 4, '19. Dated Oct. 20, '19.

Completion of work..... 75%

Usual 35 days..... 25%

TOTAL COST, \$1409

Bond, \$705. Surety, Aetna Casualty & Surety Co. Limit, 200 days. Forfeit, none. Plans and specifications, none.

FRAME DWELLING

LOT 10 BLK 7, Cedar Park, Fresno. Frame dwelling.

Owner—M. H. Clifford, 2805 Clifford

DWELLING
 LOT 2, Hillcrest Tract, Fresno. Frame dwelling.
 Owner—Adam Robbins, Fresno.
 Architect—None.
 Contractor—C. P. Cain, 709 Mildreda St., Fresno.
 COST, \$3000

FRAME DWELLING
 LOTS 5 AND 6 BLK 2, Fresno Home Builders' Palm Villa Tract, Fresno. All work for frame dwelling, garage, etc.
 Owner—Fresno Home Builders, 1231 "I" St., Fresno.
 Architect—None.
 Contractor—F. J. Stone, Mason Bldg., Fresno.
 Filed Oct. 31, '19. Dated Sept. 19, '19.
 Roof or 1/4
 Plastering Complete 3/4
 Completed 3/4
 Usual 35 days. 3/4
 TOTAL COST, \$5290
 Bond, \$2650. Sureties, J. A. Venard & G. A. Adams. Limit, 60 days. Forfeit, none. Plans and specifications filed.

HEATING SYSTEM
TRANQUILITY UNION HIGH
 School District. All work for heating and ventilating system for high school.
 Owner—Tranquility Union High School District.
 Architect—Ernest J. Kump, Rowell Bldg., Fresno.
 Contractor—H. G. Rohr and W. H. Cox, 2555 White St., Fresno.
 Filed Oct. 31, '19. Dated Sept. 15, '19.
 As work progresses. 75%
 Usual 35 days. 25%
 TOTAL COST, \$6950
 Bond, \$3475. Surety, American Surety Co. of New York. Limit, 45 days. Forfeit, none. Plans and specifications filed.

DWELLING
 S 1/4 LOT 6 BLK 12, Wilson Tct, Fresno. Frame dwelling and garage.
 Owner—J. O. Kerriek, 822 "T" St., Fresno.
 Architect—None.
 Day's work and Sub-Contracts.
 COST \$6000

DWELLING
 LOTS 1 AND 2 BLK 35, Belmont Addition (rear 40 feet), Fresno. Frame dwelling and garage.
 Owner—D. A. Wakefield, 1432 White St., Fresno.
 Architect—None.
 Day's work. COST, \$2500

DWELLING
 LOTS 30 AND 31 BLK 5, College Addition, Fresno. Frame dwelling.
 Owner—J. C. Pursel, Fresno.
 Architect—None.
 Day's work. COST, \$2780

ADDITION
 LOT 3 BLK 28, Hazelwood Addition, Fresno. Addition.
 Owner—F. P. Evangelho, 2902 Ventura St., Fresno.
 Architect—None.
 Contractor—C. E. Buckmaster, 1712 Lewis St., Fresno.
 COST, \$5500

DWELLING
 LOTS 4 AND 5 BLK 13, Fresno. Frame dwelling and garage.

Owner—Mike Vogt.
 Architect—None.
 Contractor—Carl Vogt, 849 "B" St., Fresno.
 COST, \$2000

ALTERATIONS
 "M" ST. EXTENSION, Fresno. Alter brewery.
 Owner—Fresno Brewing Co., Premises
 Architect—None.
 Contractor—Fred J. Stone, Mason Bldg., Fresno.
 COST, \$15,000

COMPLETION NOTICES.

Fresno County.

Recorded Accepted
 Recorded Accepted
 Oct. 30, 1919—LOTS 6 to 11 BLK 86 Fresno, Annie M Hopkins to whom it may concern, Oct. 30, 1919
 Nov. 1, 1919—V 10 FEET LOT 51, all Lot 52 E 10 feet Lot 53 BLK 15 North Park Terrace, Fresno. J D Shorb to whom it may concern, Oct. 28, 1919
 Nov. 3, 1919—LOTS 8 AND 9 BLK 11, Fresno Heights No. 2. C E Brogdon to whom it may concern, Nov. 1, 1919

BUILDING CONTRACTS.

Santa Clara County.

COTTAGE
 PALM HAVEN AVE., San Jose. Five-room cottage.
 Owner—E. A. Bevins, 130 Coe Ave., San Jose.
 Architect—None.
 Day's work. COST, \$4000
COTTAGE
 PALM HAVEN AVE., San Jose. Five-room cottage.
 Owner—L. D. Bohnett, Bank of San Jose Bldg., San Jose.
 Architect—None.
 Contractor—E. A. Bevins, 130 Coe Ave. San Jose.
 COST, \$4000

CHURCH
 TWELFTH AND EMPIRE STS., San Jose. Frame and plastered church.
 Owner—Roman Catholic Church. Archbishop Hanna, 1100 Franklin St., San Francisco.
 Architect—C. S. McKenzie, Bank of San Jose Bldg., San Jose.
 Day's work. COST, \$12,500

WAREHOUSE
 TERRAINE AND BASSETT STS., San Jose. Wood and corrugated iron warehouse.
 Owner—Bean Spray Pump Co., Prem.
 Architect—None.
 Day's work. COST, \$4000

STORE BUILDING
 MARKET ST. NEAR POST ST., San Jose. Two-story brick store building.
 Owner—Hart & Son, Market and Santa Clara Sts., San Jose.
 Architect—Binder & Curtis, S-First St., San Jose.
 Contractor—W. J. Moore, 75 Daune St., San Jose.
 COST, \$17,342

DWELLING
 FIFTEENTH AND SAN CARLOS STS., San Jose. Eight-room dwelling.
 Owner—A. M. Whiteside, 71 S-19th St., San Jose.
 Architect—None.
 Day's work. COST, \$6000

COTTAGE
 NO. 669 N-TENTH ST., San Jose. Four-room cottage.
 Owner—D. Tramontona, 457 Jackson St., San Jose.
 Architect—None.
 Day's work. COST, \$900

ALTERATIONS
 THIRD AND SAN FERNANDO STS., San Jose. Alterations.
 Owner—J. Cappa, 279 E-St. John St., San Jose.
 Architect—None.
 Contractor—V. Maggio, 435 Bird St., San Jose.
 COST, \$2200

COMPLETION NOTICES.

Santa Clara County.

Recorded Accepted
 Recorded Accepted
 Oct. 30, 1919—SUNNYVALE, Mrs Anna Irvine to Mt View Home Builders, Inc., Oct. 20, 1919
 Nov. 4, 1919—SAN JOSE, A M Whiteside to whom it may concern, Nov. 1, 1919

LIENS FILED.

Santa Clara County.

Recorded Amount
 Oct. 24, 1919—FOURTH & JULIAN Sts., San Jose. D H McKenley and George C Glans vs E M H White \$150

BUILDING CONTRACTS.

Sacramento County.

RESIDENCE
 NO. 861 NINTH AVE., Sacramento. One-story 4-room frame residence.
 Owner—F. Buckignani, 2012 11th St., Sacramento.
 Architect—None.
 Day's work. COST, \$1000

FRAME DWELLING
 NO. 3505 FORTY-SECOND ST., Sacramento. One-story 5-room frame dwelling.
 Owner—E. A. Thile, 1608 21st St., Sacramento.
 Architect—None.
 Day's work. COST, \$1700

FRAME DWELLING
 NO. 3105 "T" ST., Sacramento. Frame dwelling.
 Owner—W. L. Chatterton, 2111 28th St., Sacramento.
 Architect—None.
 Day's work. COST, \$4000

RESIDENCE
 NO. 1535 FORTIETH ST., Sacramento. Two-story 5-room frame residence.
 Owner—G. E. Summerville, 2104 "M" St., Sacramento.
 Architect—None.
 Day's work. COST, \$5000

DEPARTMENT STORE
 NO. 808 "K" ST., Sacramento Six-story reinforced concrete department store.
 Owner—G. W. Cowan, 818 "J" St., Sacramento.
 Architect—MacDonald & Kahn, Rialto Bldg., San Francisco.
 Contractor—MacDonald & Kahn, Rialto Bldg., San Francisco.
 COST, \$125,000

ALTERATIONS
 NO. 614 "J" ST., Sacramento. Remodel store.

Owner—J. Lee & Co., Premises.

Architect—None.

Day's work. COST, \$4000

RTPAIRS

NO.512 "J" ST., Sacramento. Repair store.

Owner—Weinreich Est., 215 California Fruit Bldg., Sacramento.

Architect—None.

Contractor—G. Hudnutt, California Fruit Bldg., Sacramento.

COST, \$1560

ALTERATIONS

PORTION OF LOTS 5 AND 6, H, J, 1st and 2nd Sts., Sacramento. Alter and add to factory.

Owner—Capitol Candy & Cracker Co., 810 2nd St., Sacramento.

Architect—None.

Contractor—Mathews Con. Co., Forum Bldg., Sacramento.

Filed Oct. 31, '19. Dated Oct. 27, '19.

COST, \$24,994

GARAGE

NO. 1230 "H" ST., Sacramento. Private garage.

Owner—M. T. Hoffman, Premises.

Architect—None.

Day's work. COST, \$1000

COMPLETION NOTICES.

Sacramento County.

Recorded
Nov. 4, 1919—N ¼ OF E ¼ LOT 4, "P" 7th and 8th Sts., also N ¼ of W ½ of E ¼ Lot 4 "J" "K" 7th and 8th Sts., Sacramento. Peoples Savings Bank to whom it may concern. Oct. 28, 1919
Recorded
Nov. 5, 1919—LOTS 7 AND 8 BLK 10, Galt. Geo B McCauley to whom it may concern. Oct. 25, 1919

LIENS FILED.

Sacramento County.

Recorded Amount
Nov. 3, 1919—NO. 620 "K" ST. on W ½ of E ¼ Lot 3, K, L, 6th and 7th Sts., Sacramento. W P Fuller & Co, \$870.16; Chas Van Hall, \$2101.25 vs Kate Turton et al.....
Nov. 4, 1919—NO. 620 K ST., Sacramento. Henry F Nix vs Harriett A Knox et al.....\$200
Nov. 6, 1919—W ½ OF E ¼ LOT 3, K, L, 6th and 7th Sts., Sacramento. H C Martin vs Harriet A Knox, Katie and Nellie Turton.....\$319.79

BUILDING CONTRACTS.

San Joaquin County.

FRAME DWELLING

SONORA AVE., Boggs Tract, Stockton.

Frame dwelling.

Owner—Stockton Land Association, Stockton.

Architect—None.

Day's work. COST, \$3000

FRAME DWELLING

S STANISLAUS ST., bet. Jackson and Clay Sts., Stockton. Frame dwelling and garage.

Owner—J. H. Cunningham, Stockton.

Architect—None.

Day's work. COST, \$2600

FOUNDATION

BLOCK "C," Stockton. Foundation.

Owner—Shell Oil Co., Inyo St., Stockton.

Architect—None.

Day's work. COST, \$8000

FRAME RESIDENCE

EAST HAZELTON AVE., bet. Sierra Nevada and East Sts., Stockton.

Frame residence.

Owner—N. E. Clegg, Stockton.

Architect—None.

Day's work. COST, \$1965

FRAME DWELLING

SONOMA AVE., Boggs Tract, Stockton.

Two frame dwellings.

Owner—Stockton Land Association.

Architect—None.

Day's work. COST, \$3000 & \$3200

FRAME DWELLING

COGONA AVE., ADDITION, Stockton.

Frame dwelling.

Owner—Mrs. Ray Shutes.

Architect—None.

Day's work. COST, \$3500

FRISCO TO THE FORE.

(From the Seattle Daily Bulletin).

That San Francisco is entitled to the slogan, "We never overlook an opportunity to increase our trade," becomes a greater truism with the passing of time.

Undaunted by the fact that Seattle's foreign trade is greater than her own she has gone blithely along, fully confident that eventually her efforts to increase her overseas commerce would be rewarded in placing her as the chief port of the Pacific Coast.

Her Chamber of Commerce, not content with the representation California has in Washington through its Senators and Congressmen, has for a number of years maintained a lobby at the national capital and that it has accomplished big things for San Francisco, even the Seattle Chamber of Commerce must admit as our importers, exporters and shipping interests do enthusiastically. Yes, enthusiastically, for the fair minded are always ready to admit achievement and accept it in a spirit in keeping with notable accomplishment.

San Francisco has its representative on the U. S. Shipping Board and Seattle is familiar with what Mr. Rosseter has done for his home town. It has a commission in Siberia which succeeded in having the headquarters for the Russian-American committee of the Far East established in San Francisco, regardless of the fact that Seattle is practically three days nearer Vladivostok than the California City. Through this office, San Francisco, in a day has become the clearing house for trade information on Siberia, the country Seattle expects will some day become one of its chief traders. With the handicap of distance over this city, San Francisco became the chief port for the forwarding of troops and supplies to the scenes of government military operations in Russia. Likewise the San Francisco Chamber of Commerce has become the clearing house for trade information of the Philippines and succeeded in inducing the island government to open headquarters there to stimulate commerce. Likewise, operating on the principle that where it could overcome Seattle's advantage of nearness to Siberia it could do so in trade with China and Japan it has a commission in the Far East which is doing much to stimulate trade between

Asia and California. Yesterday's despatches record the fact that the San Francisco Chamber has urged the American Chamber of Commerce in Mexico City, Rio de Janeiro, Valparaiso, Hongkong, Yokohama. Kobe and other points to form themselves into a central body for the expansion of American trade. An excellent suggestion. And San Francisco adds that it would co-operate in making the foreign trade department of the San Francisco Chamber of Commerce a clearing house for information from all foreign chambers.

San Francisco previous to the calling of the last convention of the National Foreign Trade Association in the east conducted a campaign among the business men to send representatives there and secure the 1920 convention for that city. It was an energetic campaign with the result that of all the cities in the nation it had the largest representation and landed the next convention with little opposition. San Francisco had over sixty representatives in attendance—Seattle less than a dozen.

The following rules relative to opening of bids have been agreed upon by the Cabinet Manufacturers Association and are effective November 1, 1919:

First. That all bids and estimates on all jobs from members of this Association will be furnished to Architects and Owners by the Secretary of this Association, and through him or her.

Second. The bids shall be opened and read in audible voice in the presence of the Secretary and as many of the bidders as may be present.

Third. The job must be awarded to the lowest bidder. No bids shall be considered unless they are delivered by the Secretary.

Fourth. In case a job is refigured none but the original bidders shall be allowed to refigure. No job, however, shall be refigured unless a substantial change has been actually made in the plans and specifications.

FRANK D. WORTH, Secretary.
Office 546 Call Bldg., San Francisco.

None of the Spanish railways are fitted with block signals, nor, in fact, with any signal system. Commercial Attache Chester Lloyd Jones writes from Madrid that there may be an opportunity for American signal companies to secure the adoption of some of their equipment.

Four hundred and seventy permits were issued by the Board of Public Works during the month of October, representing an expenditure of \$1,345,408, according to a report issued by Chief Inspector of Buildings John P. Horgan. For the same period during the year, 1918, the totals were 217 permits granted with a total valuation of \$310,305.

The following is a segregated list of the permits issued for the past month:

Class	No. of Bldgs.	Cost
"A"	3	\$ 350,000
"B"	2	62,500
"C"	19	427,450
Frames	104	338,693
Alterations	341	163,465
Public Buildings	1	3,300
Total	470	\$1,345,408

(Continued From Page 4.)

Applications for membership during the first thirty days of October totaled 1169. The total number of members passed by the qualifications Committee in this period was 873. The membership of the Association is now close to 8500.

The sub-committee of the American Association of Engineers on salaries of engineers in municipal service has been completed with S. C. Hadden, editor of Municipal and County Engineering, as chairman and with the following other members: John Ericson, consulting engineer of the Board of Public Works, Chicago; M. M. O'Shaughnessy, city engineer, San Francisco, California; O. Laurgaard, city engineer, Portland, Oregon; W. V. Horner, chief engineer, St. Louis, Missouri; E. R. Conant, consulting engineer, Savannah, Georgia; Geo. D. Fairtrace, city engineer, Dallas, Texas; Arthur B. Farnham, city engineer, Pittsfield, Mass.; George G. Earl, general superintendent, Sewerage and Water Board, New Orleans, Louisiana; P. C. Yohman, city engineer, Chicago, Illinois; L. B. Hitchcock, city engineer, Phoenix, Arizona; Guy H. Stevens, city engineer, Auburn, Maine; E. A. Ziesloft, city engineer, Akron, Ohio; O. E. Carr, city manager, Springfield, Ohio; W. J. Alexander, city manager, Gastonia, North Carolina; W. E. Baldry, city engineer, Topeka, Kansas; John C. Chambers, city engineer, Louisville, Kentucky; Arthur A. Reimer, consulting engineer, East Orange, New Jersey; F. L. Raschig of Cincinnati, Ohio; Q. Cannon, city engineer, Salt Lake City, Utah.

The committee estimates that there are in the neighborhood of fifteen thousand municipal engineers in the United States. It is expected that a municipal engineering schedule will be issued soon.

The Buffalo Chapter of the American Association of Engineers was installed by president F. H. Newell of the American Association of Engineers, on October 25th. The attendance at the banquet which preceded the installation was 116. The speakers were: S. J. Stone, toastmaster, consulting engineer, J. W. Cowper Company; Doctor F. H. Newell; F. E. N. Thacher, district secretary of A. A. E. in Pittsburgh; H. P. Parrock, president of the Engineering Society of Buffalo; George Diehl, commissioner of highways, Erie County; Robert Cundall of the firm of Cundall, Powell & Mosher, engineers and contractors; and B. H. Williamson, acting president of the Buffalo Chapter.

George Diehl spoke very favorably of the association and urged engineers to join.

The Chapter had an initial membership of 113.

AMERICAN ASSOCIATION OF ENGINEERS, SACRAMENTO CHAPTER

The November meeting of the Chapter was held Tuesday evening, November 4th in Room 515, Forum Bldg.

The Program Committee desires to announce the following program for the season 1919-1920.

Tuesday, December 2, 1919—"Sacr-

mento-Suisun Ship Canal," Major P. M. Norboe, Assistant State Engineer, who has made an extended study of this subject, will give a report on it.

Tuesday, January 7th, 1920—"Iron Canyon Project," Mr. S. W. Curtis, Assistant State Engineer, under whose direction extended surveys of the project are being made, will outline the proposed development.

Tuesday, February 4th, 1920—"State Reclamation Work," by Mr. Melville Dozier Jr., General Manager, Reclamation Board of California.

Tuesday, March 13th, 1920—"Engineering Features of Natomas Consolidated," by Mr. R. C. Clifford, Chief Engineer Natomas Consolidated of California.

Tuesday, April 1st, 1920—"The Sacramento Pure Water System." Speaker to be announced later.

Tuesday, May 6th, 1920—"Federal Legislation Relative to a National Highway System and Federal Aid in the Construction of State Highways." Speaker to be announced later.

Tuesday, June 3rd, 1920—"The Sacramento Union Depot Problem."

Other subjects which will probably come up for discussion during the year in addition to the special program arranged for each meeting are as follows:

"A Bill for Licensing Engineers."

"The Future of the Sacramento River."

"Overtime for Engineers."

"Re-Classification of Federal Engineering Salaries."

Reserve the first Tuesday in every month for Chapter Meetings. The special programs here outlined will be of interest to all and in addition important topics of current interest will come up for discussion every meeting.

If you have any subject which you desire to have discussed tell the Program Committee. Invite your Engineer friends to Chapter Meetings. They are open to every one. If the Engineers of Sacramento are to have any influence they must act together, and to act understandingly there must be full and free discussion.

Program Committee.

W. S. Caruthers, President; H. A. Lathrop, Secretary; T. E. Stanton, Chairman; F. P. Basler; J. D. Walthman.

AMERICAN ASSOCIATION OF ENGINEERS, FRESNO CHAPTER.

Minutes of meeting held at the Fresno Commercial Club, October 18, 1919:

The meeting was called to order by Vice President F. B. Pope with about 40 members present. The minutes were read, after which the following committees were appointed as approved by the Executive Committee on Oct. 11:

Membership—W. R. Darling, Chairman; Norman Coote, L. A. Bachelder, E. Williams.

Publicity—G. E. Winton, Chairman; H. F. Briggs, R. N. Hocker.

Legislation—F. B. Pope, Chairman; W. F. Rantsma, Andrew Jensen

Employment—Edgar C. Smith, Chairman; B. E. Chamberlain, R. E. Cowell, H. H. Burton.

Program and Entertainment—A. R. Morrison, Chairman; C. L. Kaupke, Wm. Stranahan, J. A. Ross.

Each Committee member was asked to rise to be recognized as his name was called.

Mr. W. P. Boone, member of the State Irrigation Board, and Executive Secretary of the Kings River Conservation District, was then introduced and addressed the meeting. He gave a brief resume of the present irrigation legislation in California, dealing particularly with the Conservation District Act under which the Pine Flat project is going forward. He told of the possibilities and plans of the Pine Flat project, showing the benefits to be derived by the engineer as well as the farmer.

M. S. & C. that a vote of thanks be extended to Mr. Boone for his interesting address.

The proposed schedules of salaries for State Highway Engineers, as suggested by the A. A. E. Committee was read, and various members discussed the unionizing of draftsmen, which met opposition from most of the members present.

The meeting then adjourned.

JEAN L. VINCENZ,
Secretary.

P. O. Box 922.

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(Male)

December 9, 1919.

Mineral Geographic Aid.

Mineral Geographer.

December 10-11, 1919.

Inspector (Mechanical), Male.

Inspector (Electrical), Male.

Inspector (Mechanical and Electrical), Male.

December 10, 1919.

Mechanical Assistant in Refrigeration (Male).

December 9, 1919.

Engineer of Tests (Male)

December 9, 1919.

Applicants should apply at once for Form 1312, stating the title of the examination desired to the Civil Service Commission, Washington, D. C., or Post Office, San Francisco.

COMPENSATION FOR ENGINEERS.

(Continued From Last Week.)

Labor, referring to the unskilled and to the purely physical portion of skilled labor, must be paid a living wage commensurate with the need for keeping a sufficient force to meet the needs of the industry. This will vary with the type of industry and even in the departments of the industry. It is best determined by experience, and should be subject to adjustment from time to time by the board of directors of the industry. The wages of labor should be included in the cost of operation.

Brains, referring to the executives, engineers and that portion of labor engaged in work requiring mental alertness, thought, imagination, invention, etc., should be paid a minimum wage which will enable a purely brain worker to live decently and sup-

port and educate an average American family. This minimum wage will vary with the community and should be determined for each community by the joint action of the boards of directors of the industries in that community. It should be subject to review annually or oftener if the cost of living fluctuates violently. The wages of brains should be included in the cost of operation.

We have now provided for the wages of capital, labor and brains, and have allotted them to the cost of industry. In addition, the items of depreciation, taxes, insurance, employees' benefits, raw materials, sales and advertising expense and other commonly accepted items of operating and fixed charges should be included in the costs of operation.

The presence or absence of profits in an industry is determined in unregulated industries by the degree of excellence attained by the one element Brains. This is the only element that leaves a permanent imprint of its character on the product. Capital is inert; labor is purely physical and subject to direction; brains applies capital in the form of tools and directs physical labor in their use to turn out the finished product. To the degree that Brains is rewarded will Brains produce profits and attract more Brains into the industry. Brains is continually striving to better the product, reduce the economic wastes, increase the output and invent new processes and new products. Brains is the one element of the tripod that responds readily to encouragement. It is appreciative, loyal, energetic and willing to accept responsibility. It has faith in its industry, expects to remain in the particular industry for life and willing to rely on its own efficiency to secure rewards. It is not fluid but quite stable, and deserts one industry for another only after complete failure to make that industry pay. It is not envious of the other elements; it desires peace above all in industry; it seeks its reward in the satisfaction obtained in its work. It should be paid an additional compensation in the shape of profits accruing to the industry from the efforts of itself alone. It should have a voice in the direction of the industry in order to direct that industry along profitable lines. This voice should be compelling and powerful as it emanates from the responsible element of industry. Let the capitalist not fear that this voice will drown his own as he will be equally represented on the board of directors, and will often be an employee of the branch representing the brains of the industry.

There should be no objection to giving a small per cent of the profits to

Labor as an inducement to aid Brains in the efficient operation of the industry. Thus employees performing only physical labor or partly physical labor would be paid a bonus based on the distribution of a portion of the profits. The per cent allotted for the purpose is a matter for the board of directors to decide. It should be determined on the basis of increased efficiency gained by the industry when the workers participate in the profits. At least one director should be interested in the personnel of the industry and voice the needs of the unskilled laborer.

The remainder of the profits should go to the Brains element of the industry in those industries where there is an assured market for the products and where it is relatively easy to secure capital on account of the security and long life of the investment. In industries serving a doubtful market or having a doubtful tenure of life or requiring a relatively large margin between bonded debt and physical valuation, it is necessary that a portion of the profits be given to the stockholders who have supplied this margin in the form of capital paid for stock. Thus, in addition to the regular wage payment to capital (interest) invested in stock, we should distribute a portion of the profits to the stockholders. The allotment of the portion of the profits of the stockholders should be determined by the board of directors as governed by the necessities of the times. It should be large enough to prevent any depreciation of the real value of the stock, considering the real value as that value obtained by taking the difference between the bonded indebtedness and the physical value of the industrial plant (liberally ascertained to include all reasonable elements of value, not cost), and dividing this difference by the number of shares of stock.

The remaining profits should be distributed by the board of directors among the Brains element in a manner fair and equitable, but in proportion to the extent that an individual has contributed to the gaining of the profits. In regulated industries, commission control is expected to prevent the gaining of profits beyond a reasonable amount. At present interest plus profits are required to be not higher than 8 per cent and are often much less. Brains must attempt to secure for the regulated industry enough increase to have a substantial profit to divide. Otherwise Brains must be rewarded on the same basis as Labor, by wages only. This is detrimental to those industries, as Brains does not then have the proper incentive to operate efficiently. Brains prefers to receive a set compensation or a minimum wage and a reward based on its ability.

The foregoing discourse is an ideal toward which existing industries can work. The sudden introduction of this system would be disastrous in those industries working on a system radically different. It would help toward obtaining an answer to the problem, if the wages and profits of the three elements were computed for a number of industries by the proposed system and compared directly with the existing wages and profits to each individual concerned under the present system.

This paper is presented to the American Association of Engineers as one method of answering the question, "What should engineers be paid?" The writer hopes others will express their thoughts so that the Associated Committees will have something basic on which to build their structure of engineers' salaries and which all engineers can endorse publicly and endeavor to have adopted as a guide.

V. D. COUSINS.

San Francisco.

CLEVELAND, Ohio.—Direct action to cut the cost of home building here by eliminating what is known as the "second mortgage broker" has been taken by the Cleveland Building Trades Council. Already all workmen have been withdrawn from four homes in course of construction. Charles Smith, business agent of the council announced, and he added that the jobs would be tied up until the owners and contractors removed the mortgage operators.

Smith estimated the second mortgage broker add from \$500 to \$600 to costs of an \$8000 home.

"The second mortgage broker is a by-product of the war and 25,000 building operatives have determined that for the good of the community he must be eliminated. He is a man who arranges the loan to the man who is building, starts them off and then gets a "rake-off" from contractors and the people who supply the materials," Smith declared.

James O. Devitt, treasurer of a large trust and title company, said the action of the trades council was "revolutionary" but admitted the second mortgage business unquestionably added to building costs. He places the blame on the people, who he says, borrow money to build before they are prepared.

MONTREAL—All public buildings in Montreal must be of fireproof materials, and any future alterations must be fireproof. This applies to theatres and boarding school as well as large stores and apartment houses.

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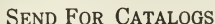
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J. P. FARRELL.....Exchange Editor

American Association of Engineers

NEWS FROM NATIONAL HEAD-QUARTERS.

The following editorial from the Birmingham (Alabama) News is a splendid illustration of the growing appreciation on the part of the public of the invaluable services which engineers can render in public service and in industry. It is only one of the several editorials which have come to our notice within the last few days:

THE FUTURE OF THE ENGINEER: A BROAD VISION OF SOCIAL NEEDS.

Those of us who are accustomed to think of an engineer simply as a gentleman with muddy clothes and leggings squinting at rodmen and chainmen through a transit, or as a man sitting in the window of a locomotive, or as a soot-bearded captain of a mass of power machinery supplying light for a municipality, have really missed the broad meaning of the word "engineering." As a matter of fact, engineers are beginning to take hold of government; and although there are sorry engineers here and there, the age is one in which the political novice, the lawyer, the financier, even the so-called "business man" is yielding place to the great specialists in community service.

Because your modern engineer is the doer of things. He has the broad ideas of construction, economy, fitness, proportion, simplicity, even beauty.

Engineering nowadays covers a vast field, but there are virgin fields for him to explore. For example, consider the opportunities for the trained engineer in civic-building: Suppose the municipalities of America such as Birmingham had given as much attention to economy as the great corporations have. Suppose Birmingham were provided with corporation engineers; men of broad vision; men not concerned at all with political climbing; not concerned at all with pleasing certain groups of folks or in rendering political favors, but men whose minds were untangled with any concern save only to give the fruit of their training in engineering Birmingham out of debt; in perfecting a system of permanent drainage at the smallest possible price; in serving in all broad economic ways.

The meeting last week of the Birmingham branch of the American Association of Engineers was featured by an address on Associationometry, which, while a comparatively new word to masses of our citizens, will be heard of more and more as municipali-

ties put away old forms of political government and look to relief of their civic problems by trained specialists—engineers.

The address by Dr. Kugelman, head of the department of chemistry at Howard College, showed that the effectiveness of engineer's work depends first upon "diagnosis" of the problems, and second, "operating" on those problems. Your civic engineer is the physician to whom one must look for cure of group-maladies. The scientist said in part:

"The great trouble with all the technical associations is that they have fallen into a rut and it is hard to jog them out of it. They only serve the technical life of the engineer. The engineer, by virtue of his great training and experience, can serve in natural affairs. He can put the city government on an economic basis as he manages the industries. Why not have engineers serve the people efficiently without the political tangles and schemings of the lawyers? The days of the need for lawyers as the city officials is gone.

"The American Association of Engineers is pushing engineers to the front to serve. They are studying all problems in the schools, engineers' life, in the industries, in the government and the needs of the community. A central administrative office is the clearing house, and executives act through paid representatives all over the country. Action is the salvation."

Take the United States Steel Corporation as a monument to the strong light work of engineers—men trained in every department: Suppose Birmingham were governed by engineers—which, being interpreted, means men who know

UNITED STATES CIVIL SERVICE EXAMINATION.

Town Manager. \$2,400; December 16, 1919.

Airplane Test Pilot (male), \$3,000, December 16, 1919.

Electrical and Mechanical Engineer (male), December 16, 1919.

Mechanical Aid (male), December 16, 1919.

Meteorologist (male), Grade 1, \$1,600 to \$2,200 a year; grade 2, \$2,200 to \$3,000 a year, December 23 1919.

Applicants should apply at once for Form 1312, stating the title of the examination desired to the Civil Service Commission, Washington, D. C., or Post Office, San Francisco.

ALASKA PRODUCES TIN.

The tin mines of Alaska produced 136,000 pounds of tin, valued at \$118,000, in 1918, according to the U. S. Geological Survey, Department of the Interior. These figures may be compared with 200,000 pounds, valued at \$123,300, in 1917. The decrease in output in 1918 was due to the fact that only one dredge was operated. Additional tin, however, was recovered by sluicing. The first important production of Alaska tin was reported in 1902, when the output was 15 tons. Since 1912 the average has been over 100 tons annually.

The recent discovery of placer tin has been reported from Potato and Humboldt creeks, on Seward Peninsula, and from Moran Creek, a tributary of Melozli River, where the gravels are said to contain 2½ pounds of tin and 10 cents' worth of gold to the cubic yard.

PLUMAS FOREST ROADS TO BE IMPROVED BY GOVERNMENT.

Approximately \$800,000 Will Be Spent in Next Ten Years, Says Engineer.

QUINCY, Cal.—According to J. C. Dort, Assistant District Engineer for the Forest Service, who has just made an extended trip over the southern Sierra forests, the tentative plan for the Plumas reserve, based on a period extending over the next ten years, contemplates the reconstruction and repair of fourteen roads with the possible expenditure of \$800,000.

This involves not only the present county roads but more than a hundred miles of road in the eastern section of the forest not under the jurisdiction of the county.

That the Government is going to take definite action in the maintenance and reconstruction of the roads within the National Forest is the deduction of local highway officials.

CHICO MATCH COMPANY TO IMPROVE HOLDINGS.

CHICO, Butte Co., Cal.—The Diamond Match Co., Chico, has decided to proceed with extensions to its present holdings in Chico by carrying out its construction program planned before the war.

The company will purchase considerable machinery and will erect a planning mill, box factory, sash and door factory, two new office buildings and other minor improvements which will bring the cost to about \$200,000.

HEAVEN ON EARTH.

When a debtor in Siam is 3 months in arrears he can be forced by the creditor to work out his indebtedness. If he runs away, his father, wife or children may be held in slavery until the debt is canceled.

VISALIA BRICK FIRM LOCATES IN FRESNO.

The Fresno Herald of November 6th, publishes the following:

"Entrance of a new brick manufacturing company into Fresno became known today when it was learned that the Pioneer Brick Company of Visalia had purchased the Harry C. Wilbur ranch, four miles east of Fresno on the Sanger branch, and had already begun erection of machinery and buildings.

It is understood that the Wilbur property, consisting of 80 acres, was sold for approximately \$100,000. Spur tracks are being constructed at this time, and within a few weeks the plant will be ready for operation.

Shortage of suitable clay for brick making has resulted in forcing some of the companies to haul the material for long distances. It was learned that samples were taken from the Wilbur property as early as five years ago.

The owners of the concern are J. W. Fewel and John Etzenhouser. Fewel is tax collector of Tulare County and owns abstract concerns in Visalia and Modesto. He has acquired a new home in the Porter tract and will make his home in this city."

SECURED.

HAYFORK, Trinity Co., Cal.—Farmers of Hayfork valley have subscribed \$1000 to a fund for employing a surveyor to make a preliminary survey for the proposed Hayfork irrigation district. The district will include about all the farming land in the valley of Hayfork creek and will be the first irrigation district in Trinity county. T. F. Morrissey of Hayfork, a large landowner, is at the head of the enterprise.

LOCAL FIRM SECURES MODESTO IRRIGATION CONTRACT.

MODESTO, Stanislaus Co., Cal.—The Directors of the Modesto Irrigation District, Percy Jones, Chief Engineer, have awarded a contract to J. Soukas, 303 3rd St., San Francisco, for enlargement and lining of the upper main canal of the Modesto Irrigation District between Mill Gulch Fill and the secondary gates.

The work was divided into two sections as follows:

Section A

J. Soukas\$24,950.00
Cotton-Macaulay 27,227.50

Section B

J. Soukas\$24,250.00
Cotton-Macaulay 24,725.00

The contracts call for the excavation of 6350 cubic yards of dirt, laying of 500 yards of plain concrete, 200 yards of reinforced concrete and the removal of 50 cubic yards of reinforced concrete in each of the two sections.

SIDEWALK WORK PLANNED.

SALINAS, Monterey Co., Cal.—The City Council, M. R. Keef, City Clerk, has passed a resolution of intention providing for the construction of ce-

ment concrete sidewalks in North Main street. The walks will be of cement concrete construction 5 feet wide.

IRRIGATION CANAL ENLARGEMENT ORDERED.

MODESTO, Stanislaus Co., Cal.—The Board of Directors of the Modesto Irrigation District has instructed Chief Engineer Percy Jones to proceed with the enlargement of the upper main canal at a cost of approximately \$69,000.

The improvement will be between Mill Gulch and the secondary gate, a distance of 4165 feet. The capacity of the canal will be increased from 1300 to 1700 second feet of water.

S. F. STREET IMPROVEMENT CONTRACTS AWARDED.

The construction of sewers and appurtenances through the Presidio Reservation from Locust street northeast to beginning of existing tunnel and from end of existing tunnel to Union street.

Awarded to Hickel & Harmon, 1230B Green St. Contract price, \$12,445.59.

The improvement of Ulloa street between the westerly line of West Portal Park tract to the easterly line of Fifteenth avenue by grading; construction of concrete curbs; artificial stone sidewalks; brick catchbasins; asphaltic concrete pavement, etc.

Awarded to Fay Improvement Co., Phelan Bldg. Contract price, \$8,841.85.

NEW DATE FOR FRESNO COUNTY COMFORT STATIONS.

FRESNO, Fresno Co., Cal.—Bids will be received by the County Supervisors, D. M. Barnwell, County Clerk, up to December 5th, 2 P. M., for the construction of a women's comfort station to be erected in the Court House Park.

Separate bids will be received on the same date for the construction of a men's comfort station to be erected in the Court House Park.

It was at first planned to take bids segregated, but this plan has been abandoned.

Both buildings will be of reinforced concrete construction. Certified check of 10% payable to Chairman of the Board of Supervisors must accompany each bid.

TO BOND FOR MEMORIAL AUDITORIUM.

STOCKTON, San Joaquin Co., Cal.—Mayor A. C. Cullahan states that the proposition to vote bonds with which to finance construction of a municipal auditorium as a memorial to the Stockton boys who gave their lives in the world war will be placed on the next city ballot.

SCHOOL BONDS VOTED.

CUPERTINO, Santa Clara Co., Cal.—Bonds of \$75,000 have been voted to finance construction of a ten-room school building for the Cupertino School District.

SCHOOL BONDS CARRY.

HANFORD, Kings Co., Cal.—The \$350,000 bond issue to finance construction of a new high school building have been voted by the Hanford Union High School District.

Bonds of \$115,000 were recently voted by the Hanford Grammar School District with which to erect two new grammar schools.

DATE FOR BUTTE COUNTY HIGHWAY ELECTION SET.

OROVILLE, Butte Co., Cal.—December 16th is the date set by the County Supervisors, C. F. Belding, County Clerk, to decide the question of issuing and selling bonds of \$1,800,000 with which to build a modern county highway system.

FRESNO COUNTY ROAD REPAIR PLANNED.

FRESNO, Fresno Co., Cal.—On recommendation County Highway Engineer Chris. P. Jensen the Supervisors have decided to repair the Auberry-Huntington Lake Road on the stretch from the Shipp Ranch to Auberry, the funds to be secured from the recent county highway bond issue.

It is proposed to widen the road, eliminate short pitches in grade, provide proper drainage, lessen curves and crowning it for the entire length, 22 miles.

FIRE HOSE CONTRACT AWARDED.

TRACY, San Joaquin Co., Cal.—The City Trustees have awarded a contract to the Pioneer Rubber Mills for furnishing and delivering to the town 500 feet of 2½ inch fire hose at 97 cents per foot.

PARK FENCE CONTRACT AWARDED.

CHICO, Butte Co., Cal.—A contract has been awarded by the Bidwell Park & Playground Commission to E. Goble, Chico, to construct a wire fence around the entrance to the park at the cemetery bridge.

SEPTIC TANK CONSTRUCTION PLANNED.

SANTA ROSA, Sonoma Co., Cal.—The City Engineer, at the last meeting of the City Council, submitted a report on the construction of a septic tank at the sewer farm. The report provided for the construction of a reinforced concrete tank unit, 15 feet by 400 feet, the cost being about \$8,500.

Owing to certain materials now in the hands of the city it is planned to reduce the cost by using these and the City Engineer was instructed to look into the matter.

PLAN TO ERECT LARGE COMMERCIAL BUILDING.

SAN FRANCISCO.—A Client of Buckbee, Thorne & Co., has purchased the lot on the SE corner of Mission and Fremont streets and contemplates erecting a six-story reinforced concrete commercial building. No architect has been selected.

SAN JOSE ARCHITECTS TO DISCUSS SCHOOL IMPROVEMENTS.

SAN JOSE, Santa Clara Co., Cal.—The following architects have been invited by the City Board of Education to discuss the need of additional buildings for the high school to accommodate 1000 pupils who will be obliged to continue their education under the compulsory education bill:

Binder & Curtis, William Klinkert, Louis Lenzen, Charles McKenzie, W. C. Phillips, Warren Skillings Wolfe & Higgins, Higbie & Hill and Herman Krause.

ADVANCE NEWS

Official Proposals, Etc.

BUILDING.

APARTMENT HOUSES

Plans Prepared. To be Done by Days Labor.

APARTMENTS Cost, \$60,000
LONG BEACH, Los Angeles Co., Cal.
Nos. 342-344 Pine Avenue.

Three-story brick and hollow tile store and apartment building.

Owner—Helen Lange, Grace Harris and Lima Dickinson of Pasadena.

Architect—H. H. Lochridge, Moody Bldg., Long Beach.

Contract Awarded.

ALTERATIONS Cost, \$4,000
EUREKA, Humboldt Co., Cal. Cor. D and Brett Streets.

Alter frame building into apartments.

Owner—Mrs. Alex Connick, 1428 E St., Eureka.

Architect—Not Given.

Contractor—R. J. Minnie, Eureka.

Preliminary Plans Being Prepared.

APARTMENTS Cost, \$100,000
SALEM, Oregon.
Two-story apartment house, 220x165, (57 apartments.)

Owner—Chester Murphy, Attorney, Yeon Bldg., Portland, Ore.

Architect—W. C. Knighton, U. S. Bank Bldg., Portland.

NOTE.—Type of construction has not yet been decided upon.

BANKS

Contract Awarded.

ADDITIONS Cost, \$—
HANFORD, Kings Co., Cal.
Temporary additions for banking quarters (3000 square feet).

Owner—Farmers' & Merchants' National Bank, Hanford, Cal.

Architect—Ernest J. Kump, Rowell Bldg., Fresno.

Preliminary Plans Being Prepared.

BANK, OFFICES, ETC. Cost, \$100,000
HANFORD, Kings Co., Cal. 7th and S. Dooty Streets.

Four-story fireproof bank, offices and (4) stores.

Owner—Farmers' & Merchants' National Bank, Judd Smith, Director, Hanford, Cal.

Architect—Ernest J. Kump, Rowell Bldg., Fresno.

NOTE.—Construction will not be started for at least six months.

BONDS.

FAIRFIELD, Solano Co., Cal.—Owing to several petitions being received asking road improvement the County Supervisors are considering a county bond election to secure funds with which to construct a modern county highway system.

PRINEVILLE, Cook Co., Ore.—The \$220,000 county road bond election carried here recently.

HOLLISTER, San Benito Co., Cal.—A petition will be presented to the County Supervisors asking the calling of an election to vote bonds of \$15,000 with which to erect a new school building in the Fairview District.

CHICO, Butte Co., Cal.—Bids will be received by the County Supervisors, C. F. Belding, County Clerk, up to November 24th, for the purchase of the \$440,000 bond issue of the Chico Union High School District. Proceeds of the sale will finance construction of a new high school building, plans for which have been prepared by Architects Woollett & Lamb, Physicians Bldg., Sacramento.

MARYSVILLE, Yuba Co., Cal.—A petition will be presented to the Supervisors in the near future asking the consolidation of three school districts. The Honcut, Prairie and Woodruff. After consolidation a bond election will be called to finance construction of a modern school building.

DAVIS, Yolo Co., Cal.—Bonds of \$75,000 were voted here recently to finance construction of a municipal water plant, plans for which have been prepared. It is the intention of the Trustees to call for bids on the proposed plant as soon as the bonds have been sold.

SAN MATEO, San Mateo Co., Cal.—The bond issue for \$438,000 to finance municipal improvements was defeated at a recent election. The following improvements were planned under the issue, had it carried:

For a municipal water plant, \$400,000.
For a new auto fire engine, \$14,000.
For a box fire alarm system, \$24,000.

HANFORD, Kings Co., Cal.—Bonds of \$115,000 with which to finance construction of two new grammar school buildings have been voted.

SANTA MONICA, Los Angeles Co., Cal.—An election will be held December 2 to vote on issuing \$75,000 bonds for improvements to the municipal water system including the laying of five mains and distributing pipe.

RICHMOND, Contra Costa Co., Cal.—Lacking 366 votes the Richmond Harbor Bond Issue with which to secure funds to finance harbor improvements failed to carry.

SAN LUIS OBISPO, San Luis Obispo Co., Cal.—The County Supervisors have set December 16th as the date to vote bonds of \$1,500,000 with which to construct a system of good roads. This will be the second election on the highway question, the other being defeated by a large vote.

Should the bonds carry the following roads will be constructed:

District No. 1.

San Miguel bridge.....\$115,000
Paso Robles-Estrella road..... 7,000
San Miguel-Estrella road..... 6,000

Paso Robles-Creston road..... 15,000
State highway through Paso Robles 50,000
Paso Robles-Cambria road..... 3,000
Mustang Springs road..... 2,000
San Miguel-Lynch road..... 3,000
Shandon bridge 44,000
Cayucos road 5,000

District No. 2.

Coast highway\$545,000
Morro-Atascadero road 15,000

District No. 3.

Los Osos road\$ 20,000
San Luis Obispo roads..... 85,000

District No. 4.

Oceano-Arroyo Grande road...\$ 30,750
Arroyo Grande-Huasna road... 112,750
Nipomo-Guadalupe bridge road 69,700
Ontaria House-Avilla road.... 16,400
San Luis Obispo-Edna road.... 32,800
Arroyo Grande-Edna road..... 5,000
Town of Pismo road..... 5,000
Corbito Grande-Berros road.... 5,000
Arroyo Canyon road..... 12,600

District No. 5.

Santa Margarita-Pozo road....\$100,000
Pozo-San Juan grade road.... 85,000
Templeton road, west..... 24,000
Templeton road, east..... 16,000
Morro-Atascadero road 25,000
Atascadero traffic way..... 12,000

TO BOND FOR GREEK THEATRE.

PORTERVILLE, Tulare Co., Cal.—The Park Commission has recommended to the City Council a bond issue for \$60,000, with which to finance construction of a Greek Theatre and a municipal auditorium in Luther Burbank Park, as a memorial building.

SAN ANSELMO, Marin Co., Cal.—The Town Attorney has been instructed to prepare the necessary papers calling a bond election for \$142,000 for the improvement of roads in the Town of San Anselmo and for a \$65,000 issue for the construction of bridges that must be built under the proposed road improvements.

CHURCHES

Plans Being Prepared.

CHURCH Cost, \$45,000
CALEXICO, Imperial Co., Cal.
Frame and stucco church, 50x115.
First Methodist Church.
Architect—Arthur G. Lindley, 904 Wright & Callender Bldg., Los Angeles.

Plans to be Prepared. Site Purchased.
CHURCH Cost, \$—
MERCED, Merced Co., Cal.
Fireproof church building (site 100x150)

Owner—Bethel Methodist Church.
Rev. S. M. Cheek, Pastor, Merced.
Architect—Not Yet Selected.

The final payment for the site is now being raised. After payment for the site a campaign will be made to secure funds for the erection of the church building.

Contract to be Awarded.

CHURCH Cost, \$62,000
FRESNO, Fresno Co., Cal.
Three-story and basement reinforced concrete church.

Owner—Japanese Buddhist Church, 835 "E" St., Fresno.
Architects—W. C. Hays and T. Kurahashi, Associated, First National Bank Bldg., San Francisco.

A. D. Collman, 110 Jessie St., San Francisco, is the lowest bidder at approximately \$62,000, and will be awarded the contract.

FACTORIES AND WAREHOUSES.

Completing Plans.
BUILDINGS Cost, \$750,000
OAKLAND, Alameda Co., Cal.

Six reinforced concrete buildings from 1 to 5 stories high (woolen mill).
Owner—Federal Wool Mfg. Co., Edwin P. Hulme of San Francisco, Pres.
Designer and Manager of Construction—Geo. Wagner, 251 Kearny St., San Francisco.

Reinforcing steel awarded to Truscon Steel Company.

LOS ANGELES, Cal.—Another of the largest automobile tire manufacturing concerns in the United States is seeking a site for a big factory at Los Angeles. It was definitely learned that C. M. Hamill, a special representative of the Firestone Tire & Rubber Company, is now on his way from this city to Akron, Ohio, with maps and prices of tentative sites for a factory to be built here with a daily capacity of about 3000 tires.

Plans Being Figured.

FACTORY Cost, \$—
LOS ANGELES, Cal. Santa Fe Avenue
Bet. 8th and 9th Streets.

Three-story reinforced concrete factory building, 80x150.

Owner—Wm. C. Curtis and A. Shorten.
Lessee—L. A. Paper Box Mfg. Co.
Architect—L. A. Smith, 621 Investment Bldg., Los Angeles.

Segregated Figures Being Taken.

FACTORY Cost, \$15,000
OAKLAND, Alameda Co., Cal. S Eighth Street near Clay.

Two-story reinforced concrete factory.
Owner—Fred Thomas (Awning Mfr.).
Architect—A. W. Smith, 1010 Broadway Oakland.

Plans to be Revised and Refigured.

MFG. PLANT Cost, \$225,000
OAKLAND, Cal. 29th Avenue and E-11th Street.

Three one-story reinforced concrete buildings. Administration, 50x100; Welfare Bldg., 50x250, and Plant Bldg., 250x450 for jam and jelly manufacturing plant (1st unit.)
Owner—A. W. Palfreyman for H. Jones & Co., Ltd., Australia.

Architect—Washington J. Miller, 417 Market St., San Francisco.

Work Started.

BLEACHER HOUSE Cost, \$100,000
PITTSBURG, Contra Costa Co., Cal.
Bleacher house, 125x225.

Owner—Great Western Electric Chemical Co., 9 Main St., San Francisco.
Architect—Not Given.

Plans Nearing Completion.

MILL Cost, \$200,000
PORTLAND, Ore. East Side District of Portland.

Seven-story reinforced concrete grain and flour mill (capacity 2,000 bbls. per day). 10x130.

Owner—Earle Mill, W. R. Bagot, President.

Architect—John V. Bennes, Chamber of Commerce Bldg., Portland.

Plans Being Prepared.

CANNERY, ETC. Cost, \$—
HAMILTON CITY, Glenn Co., Cal.
Dehydrating plant, cannery and jam-pelly factory.

Owner—James Mills Orchard Co., Jas. Mills, President, Hamilton, City.
Engineers—Eng. Dept. of Owner.

Plans Being Figured.

FACTORY Cost, \$263,000
OAKLAND, Alameda Co., Cal. 48th to 50th Aves. and E-12th St. Extension.

One-story reinforced concrete steel tire factory, 360x72 (1st unit).

Owner—The Coast Tire & Rubber Co., Syndicate Bldg., Oakland.
Architect—Paul A. Needham, 2108 Shattuck Ave., Berkeley.

Contract Awarded.

WAREHOUSE Cost, \$60,000
LONG BEACH, Los Angeles Co., Cal.
New York and California Sts.

Four-story reinforced concrete storage warehouse, 60x116.

Owner—Long Beach Transfer Co.
Architect—W. Horace Austin, Long Beach, Cal.

Engineer—E. L. Mayberry, Pacific Electric Bldg., Los Angeles.
Contractor—Richards-Neustadt Co., 804 Trust & Savings Bldg., Los Angeles.

Plans Complete.

GAS PLANT, ETC. Cost, \$—
MARTINEZ, Contra Costa Co., Cal.
Estudillo and Mellus Streets.

Improvements to gas plant; one-story frame bungalow; gas storage tanks, piping, etc.

Owner—Contra Costa Gas Co., Martinez.
Architect—W. A. Doctor, 314 Main St., Martinez.

Plans Being Figured.

MANUFACTURING BUILDINGS Cost, \$75,000.
LODI, San Joaquin Co., Cal.

Brick, steel and corrugated iron pump manufacturing buildings.

Owner—Superior Mfg. Co., Inc., Woock Bros., Manager, Lodi, Cal.

Architect—Not Given.
The owners have purchased some materials.

Segregated Figures Being Taken.

ADDITION Cost, \$—
SAN FRANCISCO. Second and Bryant Streets.

Five-story mill construction with steel tower addition to lithograph plant also a steel and concrete press room building, 80x125, in rear.

Owner—Schmidt Lithograph Co., Prem. Manager of Construction—Frederick Whitton, 369 Pine St., San Francisco.

The excavating contract will be awarded in a few days.

GARAGES

Contracts Awarded.

GARAGE. Cost, \$—
SAN FRANCISCO. Fifth and Howard Streets.

Three-story and basement reinforced concrete garage, 150x155.

Owner—Pacific Gas & Electric Co., 445 Sutter St., San Francisco.

Architect—Wm. Knowles, Hearst Bldg San Francisco.

Concrete work awarded to The Clinton Constr. Co., 140 Townsend St., \$100,000, approximately.

Reinforcing steel awarded to Edward L. Soule, Rialto Bldg.

To be Done by Days Labor.

GARAGE. Cost, \$25,000
PORTLAND, Ore. Yamhill and Chapman Streets.

Two-story and basement brick and concrete garage, 68x75.

Owner—A. S. Ellis.

Supt. in Charge—W. C. Arthur, 497 Vancouver Ave., Portland.

Plans Being Prepared.

GARAGE, ETC. Cost, \$—
HOLLISTER, San Benito Co., Cal. SE San Benito and William Street.

One-story reinforced concrete garage and auto salesroom.

Owner—Mrs. E. F. McCroskey, Hollister Lessee—E. C. Gilbert.

Architect—Not Given.

Construction will be started as soon as the present structures on the site are razed.

Plans Being Prepared.

REPAIR SHOP Cost, \$10,000
SAN FRANCISCO. S Post St. 220 E Larkin St.

One-story brick auto repair shop, 25x125.

Owner—Miss Pergio.

Architect—C. O. Clausen, Hearst Bldg., San Francisco.

Plans Being Figured.

GARAGE, ETC. Cost, \$—
OAKLAND, Alameda Co., Cal. Adams Point.

Two-story frame residence and garage (10 rooms).

Owner—Mr. Mannheim.

Architect—E. Cannon, Central Bank Bldg., Oakland.

GOVERNMENT WORK AND SUPPLIES

NAVY DEPARTMENT, Office of the Chief of the Bureau of Yards and Docks, Washington, D. C.—Sealed bids are wanted until December 3, 1919, specification 4077, for constructing radio towers at Keyport, Wash. Estimated cost, \$45,000. For further information address the chief of bureau.

WASHINGTON, D. C.—The following bids were received November 10th by Supervising Architect Jas. A. Wetmore, for furnishing the labor required in the construction, complete (including heating, plumbing, electric conduits, and wiring), with materials that will be furnished by the Government, for kitchen and mess hall, officer's quarters, attendants' quarters and garage, refrigeration plant, remodeling of nurses' quarters and approaches, for the United States marine hospital at

San Francisco, Calif.:

Schultz Constr. Co., 46 Kearny St., San Francisco (a) \$38,220; (b) \$11,777.

Thos. A. Cavanagh, San Francisco (a) \$43,695; (b) \$15,685.

Alfred H. Vogt, San Francisco (a) \$48,793; (b) \$11,960.

HALL AND SOCIETY BUILDINGS.

Plans Being Figured.

Y. M. C. A. BLDG. Cost, \$——
POMONA, Los Angeles Co., Cal.
Three-story and basement reinforced concrete Y. M. C. A. Building, 162x 12.

Owner—Y. M. C. A. of Pomona.

Architect—Robert H. Orr, 1301 Van Nuys Bldg., Los Angeles.

Plans Being Prepared.

CLUB BUILDING Cost, \$——
KELSO, Wash.
Hollow tile and stucco club building.
Owner—Citizens' Club of Kelso.
Architect—F. Manson White, Chamber of Commerce Bldg., Portland.

HOSPITALS

Plans Being Figured. Bids Close Dec. 22, 1919, at 10 A. M.

HOSPITAL Cost, \$400,000 approximately.

OAKLAND, Alameda Co., Cal. 14th Avenue and E-27th Street.

First unit Class "A" hospital; service building, two dormitory buildings, and connecting corridors.

Owner—Alameda County.

Architect—Henry H. Meyers, Kohl Bldg., San Francisco.

Bids will be taken for a general contract. Plans may be obtained from the County Clerk's Office, Court House, 5th and Broadway, Oakland, on a deposit of \$100. Plans must be returned in 15 days or the deposit will be forfeited.

OAKLAND, Alameda Co., Cal.—The County Supervisors have awarded a contract to F. W. Maurice, 505 E-22nd St., Oakland, at \$17,690, for repairs to the County Hospital building.

Plans for the work were prepared by Architect Henry H. Meyers, Kohl Bldg., San Francisco.

HOTELS

Working Drawings Being Prepared.

HOTEL Cost, \$100,000
BYRON, Contra Costa Co., Cal. Byron Hot Springs.

Two-story frame hotel, garage, enlarge swimming tank and baths, new club house, golf links, alter and redecorate present hotel and alterations to other buildings.

Owner—John Tait, San Francisco.

Architects—Ward & Blohme, 454 California St., San Francisco.

C. J. Brun, formerly head of the Richelieu hotel in San Francisco, has been appointed manager.

PUBLIC BUILDINGS

OROVILLE, Butte Co., Cal.—Bids will be received by the County Supervisors, C. F. Belding, County Clerk, up to December 1st, 2 P. M., for the construction of the proposed enlargement of the County Road Engineer's Office, in the Court House.

Certified check of 10% must accompany each bid.

COLUSA, Colusa Co., Cal.—Plans and specifications for a municipal swimming baths, prepared by Architect Martin Sheldon, 110 Sutter St., San Francisco, have been accepted by the City Trustees and construction will be started within two months.

LONG BEACH, Los Angeles Co., Cal.—Architect W. Horace Austin and Harvey W. Lochridge, engineer, Long Beach, have been selected by the Board of City Commissioners to prepare plans and specifications for a new City Hall Building to be erected at Long Beach. They will be associated with a firm of Los Angeles architects or engineers and will submit the names of fire firms to the City Commission from which the consulting firm will be selected. The new building is to cost \$350,000.

Plans Being Figured. Bids Close Dec. 15th, 10 A. M.

HALL Cost, \$250,000
SEATTLE, Wash. University Campus. Three-story and basement fireproof, steel and concrete Hall of Philosophy.

Owner—Board of Regents of the University of Washington.

Architects—Bebb & Gould, Securities Bldg., Seattle.

BENICIA, Solano Co., Cal.—The City Trustees have awarded a contract to the Martin Roofing Co. of San Francisco for placing a three-ply tar and gravel roof on the City Hall building and an Irish flat with Petrolastic cement on the fire house building, the work to cost \$460.

FRESNO, Fresno Co., Cal.—Bids will be received by the County Supervisors, D. M. Barnwell, County Clerk, up to December 5th, 2 P. M., for material and labor necessary for the construction of a women's comfort station and also a men's comfort station to be erected in the Court House Park.

Said bids are to be submitted on 9 separate kinds of work entering into the construction of both of said build—separately upon are as follows, to-wit: 1. Concrete work; (2) plumbing; (3) ings, and the propositions to be bid plastering; (4) tile and marble work; (5) Electric work; (6) sheet and metal work; (7) painting; (8) lumber; (9) roofing.

Certified check of 10% payable to Chairman of the Board of Supervisors must accompany each bid.

FRESNO, Fresno Co., Cal.—Bids will be received by the City Council, Chas. Dillon, City Clerk, up to December 1st, 9 P. M. for the construction of a new garage and barn on lots 27, 28 and 29, block 40. Certified check of 10% payable to City Clerk must accompany each bid.

RESIDENCES.

Contract Awarded.

DWELLINGS Cost, \$3000 each
SAN FRANCISCO. S Joost — E Hamburg Street.

Twelve one-story and basement frame dwellings, 24x38 each.

Owner—Monita Investment Co., 624 Phelan Bldg., San Francisco.

Architect—A. W. Smith, 1010 Broadway Oakland.

Contractor—N. A. Anderson, 1927 Napa St., Berkeley.

It is the intention of the owners to erect about 200 dwellings in this vicinity.

Plans are now being completed for 20 additional structures, which will also be erected by Mr. Anderson.

Plans Being Prepared.

RESIDENCE Cost, \$5,000
WILLOW CAMP, Marin Co., Cal.
One-story, attic and basement frame country residence (5 rooms, 2 baths, showers, garage and sleeping porch). Swiss Chalet.

Owner—Withheld.

Architect—L. A. Lapachet, 110 Sutter St., San Francisco.

Plans will be ready for figures in about 2 weeks.

Plans Being Figured.

RESIDENCE Cost, \$10,000
BERKELEY, Alameda Co., Cal. Warring Street near Parker.
Two-story and basement frame residence and garage (7 rooms and 2 bathrooms and sleeping porch).

Owner—Arthur G. Wood.

Architect—W. H. Ratcliff Jr., 1st National Bank Bldg., Berkeley.

Contract Awarded.

BUNGALOWS Cost, \$2,500 each
EUREKA, Humboldt Co., Cal.—Brett and D Streets.

Three one-story and basement frame bungalows.

Owner—Mrs. Alex Connick, 1428 "E" St., Eureka.

Architect—Not Given.

Contractor—R. J. Minnie, Eureka.

Plans Being Prepared.

RESIDENCE Cost, \$10,000
SAN FRANCISCO. St. Francis Wood.
Two-story and basement frame and plaster residence (8 rooms and 2 bathrooms).

Owner—Withheld.

Architect—M. I. Schwartz, Nevada Bk. Bldg., San Francisco.

To be Done by Days Work.

RESIDENCE Cost, \$20,000
HOLLYWOOD, Los Angeles Co., Cal. Vine St. N. of Franklin Avenue.

Two-story and basement frame and plaster residence (10 rooms and 4 bathrooms, etc.)

Owner—Charles Eytton.

Architect—Frederick J. Soper, 1132 Story Bldg., Los Angeles.

To be Done by Days Work

RESIDENCE Cost, \$20,000
WEST HOLLYWOOD, Los Angeles Co., Cal. Crescent Blvd. and Franklin Avenue.

Two-story hollow tile residence and two-story hollow tile garage (7 rooms and 4 bathrooms).

Owner—F. L. Blodgett.

Architect—C. H. Russell, 1106 Story Bldg., Los Angeles.

Plans Prepared.

DWELLINGS Cost, \$——
SAN JOSE, Santa Clara Co., Cal. 12th and Williams Sts. (Naglee Tract).

Six one-story frame dwellings.

Owner—L. B. Dugdale, San Jose.

Architect—Binder & Curtis, 255 1/2 S. First St., San Jose.

SCHOOLS

Plans Being Prepared.

SCHOOL Cost, \$30,000
 SAN BERNARDINO, Cal. Base Line
 School Site.
 One-story reinforced concrete school,
 178x143 (14 rooms).

Owner—City of San Bernardino.

Architect—Howard E. Jones, Katz
 Bldg., San Bernardino.

GLENWOOD, Santa Cruz Co., Cal.—
 Bids will be received by Emma Martin,
 Clerk of the Martin School District,
 Glenwood, Cal., up to 3:30 P. M., No-
 vember 25th for the erection of a one-
 story frame school building.

Plans may be seen at the residence
 of the Clerk in Glenwood. Certified
 check of 10% payable to Emma Martin,
 Clerk of the Martin School District,
 must accompany each bid.

Contracts Awarded.

SCHOOL Cost, \$26,088
 PILOT ROCK, Oregon.

Two-story brick and stucco and tile
 school building (8 class rooms and
 auditorium.)

Owner—Pilot Rock School District.
 Architects—Tourtellotte & Hummel,
 McKay Bldg., Portland.

Contractor—Waal & Peterson, 311
 Henry Bldg., Portland.
 W. S. Fleming was awarded the
 heating and plumbing contracts at
 \$5,410.

Bids Opened.

SCHOOL Cost, \$—
 PORTER VALLEY, Mendocino Co., Cal.
 One-story reinforced concrete school
 (5 rooms and an auditorium.)

Owner—Potter Valley School District.
 Architect—Norman R. Coulter, 46
 Kearny St., San Francisco.

Myrl R. Crane, 74 Miramar Ave., San
 Francisco, \$20,990.

T. Goodwin, San Francisco, \$29,000.
 Mr. Rocco Navato, \$23,000.

The contract will probably be
 awarded to Mr. Crane.

OAKLAND, Cal.—The Board of Edu-
 cation, Lloyd D. Barzee, Secretary,
 Room 1101, City Hall, has appropriated
 \$1,240,000 from the recently voted
 bond issue for school improvements to
 be expended as follows:

East Oakland high school, Nine- teenth avenue and East Twentieth street (\$50,000 for site)	\$ 150,000
Fremont high school.....	150,000
New Vocational and Commer- cial high school \$50,000 for site)	150,000
University high school.....	100,000
Market Street Junior high school	60,000
Elmhurst Junior high school	125,000
Fruitvale Junior high school	100,000
Bay Neighborhood and Junior high school	80,000
Dewey school	50,000
Melrose Heights school.....	75,000
Grant school	30,000
Claremont school	45,000
Rockridge school	50,000
Undistributed funds to be used according to program.....	100,000

Total\$1,240,000

VALEJO, Solano Co., Cal.—The City
 Board of Education has instructed En-
 gineers Leland & Haley, Holbrook
 Bldg., San Francisco, to prepare plans
 and specifications for improved heat-
 ing facilities in the present school
 buildings.

Plans Approved. Bids to be Called
 for Shortly.

SCHOOL Cost, \$12,000
 PLEASANT HILL, Contra Costa Co.,
 Cal.

One-story frame and stucco school (2
 rooms and auditorium).

Owner—Pleasant Hill School District.
 Architect—Norman R. Coulter, 46
 Kearny St., San Francisco.

Bonds Sold. Bids to be Called for
 Shortly.

ADDITIONS Cost, \$100,000
 MADERA, Madera Co., Cal.

School additions.
 Owner—Madera Union High School
 District.

Architects and Engineers—Swartz &
 Ryland, Rowell Bldg., Fresno.

Additions will consist of auditorium
 seating 900 and six class rooms.

Revised Plans Ready for Figures. Bids
 Close December 2, 1919.

ADDITION Cost, \$—
 ALAMEDA, Alameda Co., Cal. Wash-
 ington School.

Addition and finishing of community
 room, etc.

Owner—City of Alameda.
 Architect—Henry H. Meyers, Kohl
 Bldg., San Francisco.

Plumbing awarded to Thos. R. Catton
 of Berkeley on his bid of \$2,299.

STORES AND OFFICES

Plans Nearing Completion. Contract
 Awarded.

MERCANTILE BLDG. Cost, \$75,000
 SEATTLE, Wash. First Avenue South
 First unit. One-story and basement
 brick and concrete mercantile
 building, 150x120.

Owner—Whitton Hardware Co., Seattle
 Designer & Contractor—H. J. Allen,
 1420 East John St., Seattle.

NOTE—It is planned to erect a seven
 story building.

Contract Awarded.

STORE Cost, \$—
 SEATTLE, Wash. Fourth and Pine Sts.
 Two-story brick and heavy mill con-
 struction store, 108x233.

Owner—The Bon Marche.
 Architect—John Graham, L. C. Smith
 Bldg., Seattle.

Contractor—S. G. Coombs, Seattle.
 Construction of this building was
 held up owing to strikes of the build-
 ing trades.

November 14, 1919.

Plans Being Prepared.

STORES Cost, \$35,000
 SEATTLE, Wash. Pine Street near
 Minor Avenue.

One-story brick (7) stores, 135x100.
 Owner—L. V. Pepees, Care Crane Co.,
 Seattle, Wash.

Architects—Bebb & Gould, Securities
 Bldg., Seattle, Wash.

Plans Being Figured.

BANK & OFFICES Cost, \$500,000
 TACOMA, Wash.
 Sixteen-story fireproof bank and of-
 fice building.

Owner—Scandinavian-American Bank
 Tacoma, Wash.

Architect—Frederick Webber, 403 Mor-
 ris Bldg., Philadelphia, Pa.

Plans may be had from Frank Wil-
 son, Room No. 319, Scandinavian-
 American Bank Bldg., Tacoma, Wash.

Plans Being Figured.

AUTO SALES BUILDING Cost, \$—
 SAN FRANCISCO. Sutter and Gough
 Streets.

Two-story brick auto sales building.
 Owner—H. H. Helbush.

Lessee—F. D. Gould Co. (Auto Top
 Mfrs.)

Architect—W. L. Schmoll, Room 5, 40
 Montgomery St., San Francisco.

The excavating has been awarded to
 the Carlin Grading Co., 110 Jessie St.,
 San Francisco.

To Be Done by Day Labor.

OFFICES Cost, \$35,000
 PORTLAND, Ore. NW Fourth and
 Stark Streets.

Two-story and basement brick and
 concrete offices, 50x100.

Owner—Lawyers Title & Trust Co.,
 Herbert Gordon, President.

Supt. of Construction and Designer—
 O. Sunde.

It was at first planned to erect a
 four-story building, but only two will
 be erected at this time. Face brick
 contract has been awarded to the
 Pacific Face Brick Co.

Architects Selected.

OFFICE BLDG. Cost, \$1,000,000
 approximately.

SAN FRANCISCO. Pine and Mont-
 gomery Sts. (Old Nevada Block
 Property).

Class "A" office building.
 Owner—Commercial Union Assurance
 and The California Fire Insurance
 Company.

Architects—Geo. W. Kelham and Ken-
 neth MacDonald Jr., Associated,
 Sharon Bldg., San Francisco.

Contractor—P. J. Walker Co., Monad-
 nock Bldg., San Francisco.

The building will probably be 15
 stories high.

Plans Being Prepared.

BUSINESS BLOCK Cost, \$8,000
 PITTSBURG, Contra Costa Co., Cal.
 One-story business block.

Owner—R. Costanza, Pittsburg, Cal.
 Architect—W. A. Doctor, 314 Main St.,
 Martinez.

Plans Nearing Completion.

BUSINESS BLOCK Cost, \$7,000
 MARTINEZ, Contra Costa Co., Cal.
 Main St., bet. Castro and Smith.

One-story business block.
 Owner—G. Ventimiglia, Martinez.

Architect—W. A. Doctor, 314 Main St.,
 Martinez.

Plans Prepared.

AUTO SALESROOMS Cost, \$30,000
 CHICO, Butte Co., Cal. Seventh and
 Broadway.

Part one and 2-story and base fire-
 proof auto salesrooms; 2-story, 132
 x51; 1st portion, 74x132.

Owner—G. W. Randall, Los Angeles.

Architect—A. J. Bryan, 1044 6th St., Chico.

Work will either be done by days labor or segregated contracts. Foundations and grading will be done by the day.

Plans Being Prepared. Carpentry Contract Awarded.

ALTERATIONS Cost, \$30,000 to \$40,000
SAN FRANCISCO. NW Arguello Blvd. and Geary Street.

Alter brick building into auto sales building.

Owner—Zellerbach-Levison Co., 1540 California St., San Francisco.

Architect—S. Heiman, 57 Post St., San Francisco.

Theo. S. Hoin, 1739 Washington St., has the contract for the carpentry work.

Plans Being Prepared. Cost, \$5,000
ALTERATIONS
SAN FRANCISCO. No. 352 Post St.

Alterations to store (new fronts, offices, etc.).

Owner—Crosgrave Cloak & Suit Co., Premises.

Architect—S. Heiman, 57 Post St., San Francisco.

CHICO, Butte Co., Cal.—Dr. J. O. Chiapella has purchased a site with a 33 foot frontage on Broadway adjoining the Record Building and plans the erection of a two-story fireproof store and office building. Construction will not be started for at least three months.

SACRAMENTO, Cal.—Harry E. Kleinsorge, California Fruit Bldg., Sacramento, Manager of the Florin Basket Company and President of the Western Fruit Company, has purchased the southeast corner of Eleventh and J streets and plans the erection of an eight-story reinforced concrete office and store building on the site.

Kleinsorge stated, over the phone, that construction would not be started until the latter part of 1920. He states that he will probably select an architect to design the necessary plans about June of next year.

Plans to be Prepared. Cost, \$150,000
AUTO SALESROOM
SACRAMENTO, Cal. Twelfth and "H" Streets.

Two-story and basement reinforced concrete auto salesroom and garage, 160x260.

Owner—Don Lee Co., 1601 Van Ness Ave., San Francisco.

Architect—Not Selected.

THEATRES

LONG BEACH, Cal.—Edward Mehay, fur dealer, Markwell Bldg., Long Beach, announces that a six-story theatre and hotel building to cost \$400,000 will be erected on Ocean Blvd. between Locust avenue and the Markwell Bldg. He will operate the theatre, which will seat 2000.

PASADENA, Los Angeles Co., Cal.—J. M. Root, manager of the Strand Theatre, Pasadena, is having plans prepared by Eastern architects for a theatre to be erected on a site, 200x240 feet, on Colorado street east of Marengo avenue. Arthur L. Van Valkenburg

has made sketches of the space and adjoining buildings to guide the architects in the preparation of plans. The theatre will seat about 220 people and will cost about \$350,000, inclusive of pipe organ, seats, scenery, etc. A feature will be a glass enclosed roof garden and cafe.

BRIDGES, DAMS & HARBOR WORK

SACRAMENTO, Cal.—The Otis Elevator Co., Sacramento, submitted the only bid to the City Commissioners, M. J. Desmond, City Clerk, for the re-arranging of the elevator in the "M" street wharf at \$4,284. The bid was taken under advisement.

No bids were received for the re-arrangement of the elevator in the wharf occupied by the Sacramento Transportation Company.

SAN FRANCISCO.—Bids will be received by the Engineer Office, U. S. Army, 240 Montgomery St., up to November 28th, 10 A. M., for furnishing and delivering 40 rubber dredge sleeves for U. S. Suction Dredges, under Order No. 2069.

Specifications and further information may be had from the Engineer Office, 240 Montgomery Street.

FRESNO, Fresno Co., Cal.—The County Supervisors, Chris. P. Jensen, County Engineer, are contemplating the construction of two bridges in the Coalinga district, one over Wartham Creek and the other over Jacolitos Creek.

FRESNO, Fresno Co., Cal.—The County Supervisors have awarded a contract to Jap E. Mitchell, 206 Strauther St., Fresno, for the construction of a reinforced concrete bridge over Fowler switch at \$3,431.25 or \$27.45 per cubic yard. Two other bids were submitted.

The contract for the re-flooring of the Helm bridge was also awarded to Mitchell at \$1,124, he being the only bidder.

AUBURN, Placer Co., Cal.—The contract for the construction of the Moore bridge over the Auburn Ravine has been awarded by the County Supervisors to Nolte & McAlpine, they being low bidders at \$1,925.

The contract for the construction of a cement bridge over Rock Creek was awarded to C. A. Cooper, at \$3,312.

County Supervisor Haman has been granted permission by the Supervisors to construct three small bridges in Road District No. 1. A. S. Fleming is County Clerk.

HANFORD, Kings Co., Cal.—The County Supervisors have appropriated funds with which to finance the construction of a new concrete bridge across Kings river in the River Bend Precinct.

RENO, Nevada.—The Reno City Council and the Washoe County Commissioners have awarded a contract to Engineer C. R. Hill to prepare plans and specifications for a new concrete bridge across the Truckee River at the western extremity of Riverside drive, the structure to be paid for jointly by the City of Reno and the County of Washoe.

The new structure will cost about \$24,000 and will be 34 feet wide, with a 24-foot roadway and pedestrian walks on each side. The span will be 120 feet long and will extend diagonally along the river. Work will not be started before Spring of next year.

MONTEREY, Monterey Co., Cal.—Plans prepared by Engineer Fred H. Tibbitts, Alaska Commercial Bldg., San Francisco, for improvements at the Monterey Harbor have received the approval of the City Council and working drawings for the work have been ordered prepared.

PLACERVILLE, El Dorado Co., Cal.—Painter & Miller, civil engineers, Northern California Bank of Savings Building, Marysville, report the completion of surveys for the hydro-electric developments of the Western States Gas & Electric Company on the South Fork of the American River in El Dorado County. This will include the reconstruction of about 25 miles of ditch from its present capacity of about 40 second feet to be enlarged to 250 second feet and to be concrete lined.

Surveys have also been made for a 50-foot diversion dam at the head of the ditch on the American River near Kyburz, also a 135-foot dam for storage on Alder Creek and an 80-foot dam on Plum Creek. Extensive developments are also planned at both Silver and Echo Lakes for storage of water. It is planned to develop approximately 200,000 horsepower.

SAN JOSE, Santa Clara Co., Cal.—Bids for bridge improvements were received by the County Supervisors, Henry A. Pfister, County Clerk, as follows: For the construction of a reinforced concrete bridge on Bubb road at Hanrahan's place in Supervisor District No. 5. Surveyor's estimate, \$4,392. Wm. Martin, \$3,939; E. Nommensen, \$4,228; Herschback & Sciarrino, \$4,439; J. H. Miller, \$4,185.

Bid of Wm. Martin taken under advisement, all others being rejected.

For the construction of a reinforced concrete bridge on Hillside avenue over Guadalupe Creek, in Supervisor District No. 4. Surveyor's estimate, \$6,350. E. Nommensen, \$6,379; Jno. Doyle, \$5,960; J. H. Miller, \$5,230; Herschback & Sciarrino, \$6,084.

Bid of J. H. Martin taken under advisement, all others being rejected.

HOLLISTER, San Benito Co., Cal.—The County Supervisor has awarded a contract to W. I. McReynolds at \$2,490 for the construction of a concrete bridge opposite the Thyssen place at the foot of Bird Creek.

The bid of McReynolds at \$2,640 for the construction of a concrete bridge over the San Lorenzo Creek in the southern end of the county was taken under advisement.

OREGON STATE HIGHWAY COMMISSION AWARDS CONTRACTS.

PORTLAND, Ore.—The following is a list of awards of contracts made by the Oregon State Highway Commission at its last meeting:

Prineville-Crooked River Section.
A Guthrie & Co., \$199,588.06; Iron pipe, \$202,125.20.

Engineer's Estimate, \$221,095.

Prineville-Redmond Section.

Oskar Huber, concrete pipe, \$73.-
417.28.

Engineer's Estimate, \$88,859.30.

Bend-Allen Ranch Section.

Oskar Huber, \$25,019.

Engineer's Estimate, \$26,835.

Klamath Falls Dairy.

O. Huber, r. o. b. gravel, concrete
pipe, \$146,008.16.

Engineer's Estimate, \$142,236.40.

Algonia Section.

O. Huber, cinders, concrete pipe,
\$124,422.20; broken stone macadam,
concrete pipe, \$125,532.20.

Engineer's Estimate, \$146,188.

Cow Valley-Brogan Section.

Morrison Knudson, iron pipe, \$81.-
154.40; concrete pipe, \$81,960.

Engineer's Estimate, \$78,475.

Deer Island-Galena-Guard Fence.

A. J. McGarry, Seattle, \$4,390.

Engineer's Estimate, \$6,840.

Pendleton-Cabbage Hill Section.

Clifton Applegate & Toole, concrete
pipe, \$109,701.40; iron pipe, \$100,924.

Engineer's Estimate, \$115,961.70.

Bend-Jefferson County Line Section.

O. Huber, concrete pipe, \$84,942.50.

Engineer's Estimate, \$80,522.

MADERA. Madera Co., Cal.—The County Supervisors have instructed County Engineer Stafford to prepare plans and specifications for a bridge to be constructed across Ash Slough on Washington avenue in the City of Madera.

MADERA. Madera Co., Cal.—The County Supervisors, W. R. Curtin, County Clerk, has awarded a contract to the Madera Sugar Pine Co., Madera, at \$1,374.08 for furnishing Oregon pine and Redwood lumber at Firebaugh, Fresno County.

The Summit Lake Lumber Company submitted a bid of \$1,215, but was not considered, as no check accompanied same. The Chowchilla Lumber Company submitted a bid of \$1,427.49.

For furnishing 800 pieces 3"x12"-18' Yellow Pine at Chowchilla, Madera County, was awarded to the Chowchilla Lumber Co. at \$2,030.40.

FRESNO. Fresno Co., Cal.—The County Supervisors have awarded a contract to Jap E. Mitchell, 206 Strauther St., Fresno, at \$2,800 for the construction of a cement bridge at a point one mile east of Riverdale. The only other bid was that of Smith & Wheeler at \$2,989.95.

Mitchell was also awarded the contract for the construction of three wooden bridges at \$10,147, north of the Town of San Joaquin. Other contracts awarded by the Supervisors were:

Repair of bridge $1\frac{1}{4}$ miles SW of Tranquility to J. E. Mitchell at \$988.20; wooden bridge $\frac{3}{4}$ of a mile SE of Tranquility to Smith & Wheeler at \$2040; wooden bridges Nos. 1 and 2 on James avenue, north of Tranquility to J. E. Mitchell at \$4424; wooden bridge 1.85 miles W of San Joaquin to J. E. Mitchell at \$6405.

HOLLISTER. San Benito Co., Cal.—The County Supervisors have approved plans and will shortly call for bids for the construction of a bridge on the New Road commonly known as the Ausaymas and Fairview Cut-Off at or near Engineer's Survey Station 99-60, in Supervisor District No. 1 and for a bridge on the same road near Engineer's Survey Station 59-40 in Supervisor District No. 1. Elmer Dowdy is County Clerk.

MARYSVILLE. Yuba Co., Cal.—Ed. H. Martin, 15 Olive Ave., Oakland, has been awarded a contract to erect a reinforced concrete bridge on the Wheatland-Waldo road across Dry Creek at Martin Kuster's place, to replace the structure recently destroyed by fire.

The bridge will be 48 feet long, consisting of three spans of 16 feet each.

The contract was awarded at a cost plus 15% basis.

IRRIGATION WORK

MODESTO. Stanislaus Co., Cal.—Percy Jones, Chief Engineer of the Modesto Irrigation District, has been instructed by the Directors to proceed with the deepening of the Russell Drain, about one mile in length.

SAN DIMAS. Los Angeles Co., Cal.—J. H. Christian, W. R. Wright and S. H. Christian of Los Angeles, explained to the ranchers and to the directors of San Dimas Water Co. the project which they are promoting for construction of an irrigation dam in the San Jose hills south of San Dimas. They estimate the cost of the project at \$3,500,000. It is proposed to organize a mutual water company representing 17,000 acres, to be irrigated. They asserted there would be no outlay on the part of the water users beyond the usual water rate of not over 2c an inch, which will pay the cost of operation and maintenance, interest and also the principal on the bonds to be used in a period of 20 years.

ORLAND. Glenn Co., Cal.—A meeting of the Directors and members of the Orland Water Users' Association was held here recently to consider the proposed new irrigation project, which will draw water from Stony Creek, and the general outlook for water for irrigation on the present government project.

Plans prepared by Government Engineer A. N. Burch were considered. The construction of an additional reservoir, capable of holding 80,000 acre feet of water is proposed.

The dam, if approved by congress and necessary funds appropriated, will be constructed near the village of Elk Creek, about sixteen miles down the stream from the present storage reservoir. It is contemplated that 25,000 acres will be irrigated from this reservoir.

MODESTO. Stanislaus Co., Cal.—The Directors of the Modesto Irrigation District have awarded a contract to W. H. Webb for laying 8,000 lineal feet of 16-inch pipe in the Jacobsen drain on his bid of 84 cents per lineal foot and \$20 each for manholes.

The contract for hauling the pipe was awarded to Mowrey Bros. of Mo-

desto, at $5\frac{1}{2}$ cents per foot for 8,000 feet of 16-inch pipe and 15 cents per foot of 30-inch pipe.

Percy Jones is Chief Engineer of the Modesto District.

OROVILLE. Butte Co., Cal.—By a large majority of land owners in two separate districts, the Oroville-Wyan-dotte District and the Honcut-Yuba District, endorsed plans proposed to bring water to 45,000 acres of foothill and valley lands lying east of the Feather River from Oroville south through Butte and into Yuba County.

Engineers will now be appointed to determine the costs of the project planned so a bond issue may be called to secure the necessary funds. Following directors were elected for the Oroville-Wyan-dotte District:

R. C. Tyler, G. W. Miller and Walter Edwards.

And the following for the Honcut-Yuba District—Ed Abbey, H. H. Armstrong, H. S. Munsen, A. P. Folwom and C. N. Hill. Daniel Sylvester was named as Treasurer.

APPLICATIONS FILED WITH STATE WATER COMMISSION.

SAN FRANCISCO.—The following applications have been filed with the State Water Commission, New Call Bldg., for permission to appropriate water. (The number mentioned at the end of each paragraph is the application number, and in seeking additional information same is required).

J. B. Thompson, Chico, 400 cubic feet per second from Juniper Lake through Twin Lakes, Grassy, Snag, Tillman & Bidwell of Butte Lake, in Lassen and Shasta Counties, tributary of Pitt and Sacramento Rivers, for irrigation purposes. Main canal to be 8 miles long. The amount of water to be stored is 50,000 acre feet, as follows: Butte or Bidwell Lake, 15,000 acre feet; Snag, 10,000 acre feet; Tillman, 8,000 acre feet; Grassy and Twin Lakes, 5,000 acre feet; Juniper Lake, 17,000 acre feet. This application is supplementary to Application 1292. (1356).

J. B. Olcese and E. N. Pector, Merced City, 700 cubic feet per second from Merced River, Mariposa County, for development of power for manufacturing, pumping, transportation and lighting. Diversion works consist of concrete dam 15 feet high, about 300 feet long on top and about 100 feet long on bottom, and pipe line about 6 miles long. The amount of water to be stored is about 150,000 acre feet. Storage dam to be of concrete, about 150 feet high, about 700 feet long on top and about 150 feet long on bottom. Estimated cost, \$200,000 for power house, \$500,000 for power line, and \$500,000 for dam. (Allowed to October 25th to complete). (1357).

J. B. Olcese and E. N. Pector, Merced, 700 cubic feet per second from Merced River, Mariposa County, tributary of San Joaquin River, for irrigation and domestic uses. Diversion will be by means of a dam 20-40 feet high, 100 feet long on top and 100 feet long on bottom, and main canal over 25 miles long. Application provides for storage of about 150,000 acre feet. Storage dam and reservoir same as Application 1357. Estimated cost, \$1,000,000. Water will be used for irrigation of 100,000 acres. (Allowed 60

days from September 12th to complete application). (1358).

Victor S. Barber, Reno, Nevada, 700 cubic feet per second from Feather River and Middle Fork Feather River, Butte County, for the irrigation of 70,000 acres. Application provides for the storage of 250,000 acre feet. Application incomplete, and applicant was allowed 60 days from September 12th to complete. (1359).

H. Stuber, Alturas, all snow waters, winter waters and waters from all sources from the entire drainage area which drain into the basin commonly known as "Big Sage" or "Big Sage Reservoir Site," for the irrigation of lands of applicant and various other persons who propose to form an irrigation district under the laws of California. The amount of water to be stored is 162,850 acre feet per annum. Storage dam will be 49 feet high and 517 feet long on top. (1360).

Arthur W. Goodfellow and L. A. Nares, Fresno, 500 cubic feet per second from Beall Slough, Kings River, Kings County, tributary of Fresno Slough, on N. Fork Kings River, for agricultural purposes. Diversion works consist of wooden dam 8 feet high, 500 feet long on top and 600 feet long on bottom and main canal 34 miles long. It is proposed to store 45,000 acre feet per annum. Storage dam of concrete, 320 feet high, 1100 feet long on top and 250 feet long on bottom. Estimated cost \$200,000.00, exclusive of reservoir. Water will be used on 45,000 acres. (1362).

Guy Wilkinson, Oroville, 200 cubic feet per second from Lost and Pinckard Creeks, Butte County, tributaries of Feather River, for irrigation purposes on 20,000 acres in the Wyandotte and Bangor sections. Diversion dam to be of concrete 60 feet high. Applicant allowed six months from July 25th to complete application). (1363).

William X. Garrett, Hyampom, 12½ cubic feet per second of waters of Kerlin Creek in Trinity County, tributary to S. Fork Trinity River, for agricultural and domestic purposes. Water to be used on 90 acres. Water will be diverted by means of a dam 4 feet high, 22 feet long on top and 20 feet long on bottom, constructed of rock, concrete and lumber, and a ditch 1½ miles long. Permit granted for use of 9-16 cubic feet per second. (1364).

Fairplay Water Users Association, Fairplay, 1,000 inches Middle Fork Cosumnes River, El Dorado County, for irrigation and domestic purposes. Water will be diverted by means of a concrete dam and conveyed to place of use by a ditch and flumes. Water will be used on approximately 1,000 acres. (1365).

Yolo Water and Power Co., Woodland, 500 second feet from Clear Lake and Adobe, Siegler and other creeks entering same, Cache Creek and the drainage basins thereof in Lake County, for power purposes. Diversion works consist of a concrete dam 19 feet high, 600 feet long on top and 600 feet long on bottom, and two conduits, 22 miles and 16 miles in length, respectively. Amount of water to be stored 422,200 acre feet. Storage dam will be 34½ feet high, 228 feet long

on top and 104 feet long at bottom. Estimated cost, \$2,500,000. (1367).

J. B. Oleese and E. N. Pector, Merced, 700 cubic feet per second from Merced River, Mariposa County, for the generation of power for transportation, pumping, lighting, etc. Diversion works consist of dam 15 feet high, 300 feet long on top and 100 feet long on bottom and pipe line about 6 miles long. Amount of water to be stored is about 150,000 acre feet. Estimated cost over \$2,000,000. (1368).

L. L. Palmer and Sherwood Green, Chowchilla, trustees for a proposed irrigation district—No. 1369—100,000 acre feet from Big Creek, Mariposa County, tributary of Merced River, No. 1370, 120,000 acre feet from Chowchilla River, in Mariposa, Madera, Merced Counties, tributary of San Joaquin River; No. 1372, 200,000 acre feet from South Fork Merced River, Mariposa County, tributary of San Joaquin River, all for agricultural purposes. Applications incomplete and applicants allowed to October 25th to file maps to complete. (1369, 1370 and 1372).

Blue Nose Placer Mining Co., Blue Nose, 45 cubic feet per second from Tie Bar Creek, Siskiyou County, tributary of Klamath River, for placer mining purposes. Water will be diverted over a timber crib dam 5 feet high, 60 feet long on top and 50 feet long at bottom, and a ditch and flume approximately 3 miles long. Amount of water to be stored 831-121 acre feet. Estimated cost, \$10,000. (1371).

Dennis Murphy, Chico, 6,000 miner's inches from Deer Creek, Tehama County, tributary of Sacramento River, for power purposes. Water to be diverted by means of a concrete dam 30 feet high, 60 feet long on top and 30 feet long at bottom, and a canal, flume and tunnel 12 miles long. Total amount of power to be developed 13,400 T. H. P. Estimated cost, \$1,000,000. (1376).

H. L. Shannon, San Francisco, 200 cubic feet per second from Deer Creek in Tehama County, tributary of Sacramento River, for power purposes. Diversion works consist of concrete dam 6 feet high, 100 feet long on top and 75 feet long at bottom, and a ditch and flume 10 miles long. Total amount of power to be developed 22,700 T. H. P. Estimated cost \$500,000. (On August 9, 1919, applicant allowed 90 days to file maps). (1381).

Joseph A. Hausfelder, Brawley, 10 cubic feet per second from Coyote Creek in San Diego County, for developments of oil fields in Imperial and San Diego Counties. Diversion works will consist of stone and concrete dam, bed rock to 4 feet above ground grade—287 feet long on top. Estimated 200' long at bottom. Water to be delivered through steel pipe lines. Estimated cost of proposed works, \$185,000. (1385).

Gus Perigot, Blue Lake, 125 cubic feet per second from New River, Trinity County, tributary of Trinity River, for hydraulic mining. Diversion to be by means of timber, rock, brush and earth dam, about 20 feet high, 60 feet long on top and 40 feet long on bottom. Water to be delivered by means of pipe and hydraulic giants or monitors. Estimated cost about \$75,000. (Applicant granted 60 days from Oct.

11, 1919 to complete application). (1384).

Walker River Irrigation District, Yarnston, Nevada, Application No. 1388 to divert water for agricultural purposes from Murphy Creek, Mono County, tributary East Walker River; No. 1389 80,000 acre feet per annum from East Walker River and tributaries in Mono County, for agricultural purposes; No. 1390, 25,000 acre feet per annum from Green Creek, Mono County, tributary East Walker River, for agricultural purposes; No. 1391, 25,000 acre feet per annum from Robinson Creek, Mono County, tributary E. Walker River, for agricultural purposes; No. 1392, 10,000 acre feet per annum from Sammers Creek, Mono County, tributary E. Walker River, for agricultural purposes; No. 1393, 10,000 acre feet per annum from Swager Creek, Mono County, tributary E. Walker River, for agricultural purposes; No. 1394, 25,000 acre feet per annum from Virginia Creek, Mono County, tributary E. Fork Walker River, for agricultural purposes; No. 1395, 25,000 acre feet per annum from Buckeye Creek, Mono County, tributary E. Walker River, for agricultural purposes; No. 1396, 20,000 acre feet per annum from Robinson Creek, Mono County, for agricultural purposes. In the case of each of the above applications, the applicant, Walker River Irrigation District, was allowed until January 1st, 1920, to complete data.

El Dorado Water Company, Placerville, 60 cubic feet per second from Webber Creek, El Dorado County, tributary of South Fork American River, for irrigation of 37,000 acres and incidental industrial and domestic uses. Water to be diverted through "Webber Ditch," 6 miles long. Estimated cost, \$11,000. Amount of water to be stored. 2500 acre feet. (On Aug. 30, 1919, applicant allowed 60 days to file maps. (1405).

California Power & Manufacturing Company, San Francisco, 1450 cubic feet per second from Fall River, Shasta County, tributary of Pitt River, for power purposes. Total amount of power to be developed 3,253 T. H. P. Water to be conveyed into the Power Company's ditch over a dam 8 feet high, 270 feet long on top, and 270 feet long at bottom, to be a timber crib rock filled top sheeted dam, 30 feet in width on bottom and 10 feet on top. Estimated cost, \$385,000. (1411).

Natomas Company of California, San Francisco, 120 cubic feet per second from Sacramento River in Sutter County, for use on 10,139.58 acres for irrigation of alfalfa, orchards and miscellaneous crops. Diversion works to consist of two main canals, 7.0 and 4.8 miles long, respectively, and a pumping plant. Estimated cost, \$300,000. (1413).

The United States of America, U. S. Reclamation Service, Orland, 804,000 acre feet from Stony Creek in Glenn Colusa and Tehama Counties, tributary of Sacramento River, for irrigation of 25,000 to 40,000 acres. This is "Stony Gorge Extension of Orland Project." Diversion works to consist of a dam 24 feet high, 900 feet long on top and 900 feet long at bottom, with concrete headgate. The amount of water to be stored is 204,000 acre feet.

Estimated cost \$2,000,000 (including purchase of right of way. (On Sept. 11, 1919, applicant allowed to Dec. 1, 1919, to file map). (1414).

Bear River Water & Power Co., Auburn, 250 cubic feet per second of natural flow and flood waters of Bear River and Greenhorn River and their tributaries in Placer and Nevada Counties, tributary of Feather River and Sacramento River, for power purposes. (On Sept. 29, 1919, applicant allowed 6 months to file maps and complete data. (1416).

Bear River Water & Power Company, Auburn, 250 cubic feet per second of natural flow and flood waters of Bear River and Greenhorn River and their tributaries in Placer and Nevada Counties, tributary of Feather and Sacramento Rivers for agricultural purposes on 25,000 acres. (On Sept. 29, 1919, applicant allowed 6 months to file maps. (1417).

R. G. Kann, Stockton, 300 cubic feet per second from Black Creek and Bear Mountain hillside in Calaveras County, tributary of Stanislaus River, for agricultural purposes on 7,000 acres. Diversion works to consist of main ditch about 11 miles long and concrete overpour dam 5 feet high, 200 feet long on top and 10 feet long at bottom. Estimated cost, \$100,000. (1418).

Geo. F. Cokley, Woodland, 8,000 acre feet from Panoche Creek in Fresno County, tributary of San Joaquin River, for agricultural purposes on 6,720 acres. Diversion to be by means of storage reservoir and dam. Amount of water to be stored 8,000 acre feet. Estimated cost, \$40,000. (1420).

Geo. F. Cokley, Woodland, 12,000 acre feet from Panoche Creek, Fresno County, tributary of San Joaquin River, for irrigation and agricultural purposes on 6,720 acres. Diversion to be by means of a main canal approximately 7 miles long, and multiple arch reinforced concrete dam of the East wood type, 48 feet high, 1601 feet long on top and 400 feet long at bottom. Estimated cost, \$75,000. Amount of water to be stored approximately 12,000 acre feet. (1421).

Margaret R. Vail, N. R. Vail, Mary E. Vail and Mahlon Vail, Los Angeles, and William Banning Vail, Sonorita, Arizona, Trustees, operating as Vail Co., 45 cubic feet per second for direct diversion, and 40,000 acre feet per annum for storage of waters of Temecula Creek, Riverside County, tributary of Santa Margarita River, for agricultural purposes on 15,000 acres, also for domestic purposes. Diversion works to consist of pipe and open canal 2½ miles long, and a dam 115 feet high, 500 feet long on top and 100 feet long at bottom, of rubble, concrete and Cyclopean Masonry. Amount of water to be stored, 40,000 acre feet per annum. Estimated cost, \$200,000. (1423).

Roger W. Olmstead, Manteca, 100,000 acre feet per annum from Littlejohn's Creek and tributaries, Calaveras County, tributary of San Joaquin River, for agricultural purposes on 143,000 acres. Diversion to be by means of a dam 110 feet high, 600 feet long on top and 50 feet long at bottom, constructed of loose rock, concrete face, with wasteway around dam. Amount of water to be stored, 100,000 acre feet. Estimated cost, \$750,000. (1424).

Roger W. Olmstead, Manteca, 46,000 acre feet per annum of waters of Black Creek and tributaries, Calaveras County, tributary of Stanislaus River, for power purposes. Diversion works to consist of main ditch 5¼ miles long, and a dam 130 feet high, 3,065 feet long on top and 75 feet long at bottom, with loose rock fill, concrete faced, with wasteway around dam. Amount of water to be stored, 46,000 acre feet. Estimated cost, \$1,250,000. Applicant allowed to March 1, 1920, to file maps. (1425).

STATE WATER COMMISSION.

SAN FRANCISCO — The following applications have been filed with the State Water Commission, New Call Building, for permits to appropriate water:

Roger W. Olmstead, Manteca, 100,000 acre feet per annum from Littlejohn's Creek and tributaries, Calaveras County, tributary to San Joaquin River, for power purposes. Diversion works: Tunnel ½ mile long and a dam 110 feet high, 600 feet long on top and 50 feet long at bottom, to be of loose rock, concrete faced, with wasteway around dam. Amount of water to be stored, 100,000 acre feet. Estimated cost of proposed works, \$750,000. (1426).

Roger W. Olmstead, Manteca, 46,000 acre feet per annum of waters of Black Creek and tributaries, Calaveras County, tributary to Stanislaus River, for irrigation of 143,000 acres. Diversion works consist of dam 130 feet high, 3060 feet long on top and 75 feet long at bottom, constructed of loose rock, concrete faced, with wasteway around dam. Estimated cost of proposed work, \$1,250,000. (1427).

J. Pond and J. T. O'Sullivan, Colusa, 20 cubic feet per second from Sacramento River, Colusa County, for irrigation of 450 acres. Water to be diverted by means of a canal 1½ miles long. Estimated cost, \$8,000. (1422).

C. W. Hatch and R. V. Meikle, for Edgar M. Wilson, San Francisco, 94 cubic feet per second from Merced River, Merced County, tributary to San Joaquin River, for irrigation of 7,664 acres. Diversion works: Main pipe line 2½ miles long and a pumping plant. Estimated cost of proposed works, \$150,000. (1442).

Hutchinson Co., Oakland, one cubic foot per second for each 80 acres or total of 5.59 cubic feet per second from Stanislaus River, San Joaquin County, tributary to San Joaquin River, for irrigation of 447 acres. Diversion works consist of: Pump—Allis Chalmers or Byron Jackson 12-inch, Type "S" centrifugal pump direct connected to motor. Distribution to be by means of 16-inch redwood stave pipe and surface ditches. Estimated cost, \$9,000. (1444).

South San Joaquin Irrigation District, Manteca, 150 cubic feet per second from Stanislaus River, San Joaquin County, tributary to San Joaquin River, for irrigation of 15,000 acres. Diversion to be by means of dam 15 feet high, 100 feet long on top and 100 feet long at bottom, with timber weir permanent wooden substructure, removable superstructure, concrete abutments, wasteway over dam; main ditch to be 8.33 miles long. On October 30, 1919, applicant allowed 60 days to complete application. (1446).

The Big Cow Creek Ditch Co., a corporation, Palo Cedro, Shasta County, 8 cu. ft. per sec. from Cow Creek County, tributary to Sacramento River, for agricultural purposes on 800 acres. Diversion works consist of rock and timber dam 4 feet high, 200 feet long on top and 200 ft. long at bottom. Estimated cost, \$11,000. (1448).

Modesto Irrigation District, Modesto, 600,000 acre feet per annum from Tuolumne River, Tuolumne County, tributary to San Joaquin River, for irrigation and power purposes. Water to be used on 100,000 acres. Diversion to be by means of "Don Pedro" storage reservoir. Estimated cost, \$3,100,000 for dam and reservoir and \$1,000,000 for power and development.

San Joaquin Light and Power Corporation, Fresno, 9 cubic feet per second from certain springs, approximately 100 feet north of main channel of the North Fork of Middle Fork of Tule River, otherwise known as the Doyle Branch, Wilson Creek and Morehouse Creek, tributary to South Fork of Middle Fork of Tule River, otherwise known as Nelson Fork—all in Tulare County, for power purposes. Diversion to be by means of pumps. Estimated cost of proposed works, \$16,500. (1458).

Santa Cruz County Farm Bureau, Santa Cruz, unappropriated waters and flood waters, about 140 cubic feet per second, from Soquel Creek, Branciforte Creek and San Lorenzo River, Santa Cruz County, for agricultural and domestic purposes. Water to be used on about 12,000 acres. Amount of water to be stored, 36,000 acre feet. (1461).

Mokelumne River Power & Water Co., San Mateo, 500 cubic feet per second from Mokelumne River, Calaveras County, tributary to San Joaquin River, for agricultural and incidental domestic and industrial purposes. Water to be used on 75,000 acres. Diversion to be by means of ditch 20 miles long, and concrete dam 20 feet high, 300 feet long on top and 150 feet long at bottom. (1462).

San Joaquin Light & Power Corporation, Fresno, 32,000 acre feet per annum for storage, and 900 cubic feet per second direct diversion, from San Joaquin River, in Fresno County, for power purposes. Amount of water to be stored, 3,200 acre feet. Diversion works consist of tunnels and penstocks 3.4 miles long, and dam 100 feet high, 430 feet long on top and 90 feet long at bottom, constructed of concrete, single arch with Radial gates and syphon. Estimated cost, \$4,000,000. (1463).

J. B. High and J. W. Schmitz for proposed Madera Irrigation District, Madera, 5,000 cubic feet per second from San Joaquin River and Fine Gold and Willow Creeks. Fine Gold Creek tributary to San Joaquin River and Willow Creek tributary to Fine Gold Creek, Madera County, for irrigation of land in Madera County to be included in proposed Madera Irrigation District. Water to be used on 350,000 acres. Amount of water to be stored 1,150,000 acre feet. Diversion works consist of concrete dam 100 feet high, 1300 feet long on top and 200 feet long at bottom. Estimated cost, \$15,000. (1465).

D. P. O'Sullivan, Colusa, 20 cubic feet per second from Sacramento River, Colusa County, for irrigation of 300 acres. Water will be diverted by

means of a ditch 1 mile long, and a concrete dam. Estimated cost, \$8,000. (1469).

C. Pucheu, Vice-President, and E. F. Mitchell, President, of Mendoto Irrigation District, Fresno, 400 cubic feet per second from Fresno Slough or North Fork of Kings River, for agricultural purposes on \$7,118.79 acres. Amount of water to be stored, 100,000 acre feet. Water is to be diverted over a dam 20 feet high, 40 feet long on top and 32 feet long at bottom, constructed of wood, into main canal 22 miles long. Estimated cost, \$500,000 exclusive of reservoir site. (1470).

W. D. Wagner, for proposed Merced Irrigation District, Merced, 2500 cubic feet per second from Merced River, Merced County, tributary to San Joaquin River, for agricultural purposes. Water to be used upon 180,000 acres. Amount of water to be stored 600,000 acre feet. On October 19, 1919, applicant was allowed 6 months to file maps. (1473).

Mokelumne River Power & Water Co., San Mateo, 250 cubic feet per second from South Fork Mokelumne River, Calaveras County, tributary of Mokelumne River, for power purposes. Total amount of water to be stored, 1500 acre feet. Diversion works consist of main ditch 5½ miles long, and a dam 70 feet high, 300 feet long on top, 30 feet long at bottom, constructed of loose rock, with concrete pavement on up-stream side, sides slopes 1 to 1, downstream 1½ to 1; siphon type spillway built at side of dam in canyon wall. Estimated cost, \$186,000. (1477).

Mokelumne River Power & Water Co., San Mateo, 150 cubic feet per second from North Fork Calaveras River, Calaveras County, tributary of Calaveras River, for power development. Amount of water to be stored, 18,000 acre feet. Total amount of power to be developed, 12,750 T. H. P. Water is to be diverted through a canal 4½ miles long. Estimated cost, \$502,500. (1478).

Mokelumne River Power & Water Co., San Mateo, 200 cubic feet per second from Middle Fork Mokelumne River, Calaveras County, tributary of Mokelumne River, for power purposes. Amount of water to be stored, 40,000 acre feet. Total amount of power to be developed 6700 T. H. P. Diversion works: Outlet by tunnel controlled by gates in shaft from storage reservoir. Estimated cost, \$600,000. (1479).

Mokelumne River Power & Water Co., San Mateo, 100 cubic feet per second from Esperanza Creek, Calaveras County, tributary to North Fork Calaveras River, for power purposes. Diversion works consist of ditch 3 miles long, and a dam 10 feet high, 30 feet long on top and 10 feet long at bottom, of rubble masonry; spillway over top. Estimated cost, \$25,000. (1480).

Mokelumne River Power & Water Co., San Mateo, 250 cubic feet per second from North Fork Calaveras River, Calaveras County, tributary of Calaveras River, for power purposes. Diversion works consist of canal 5 miles long, and a dam 20 feet high, 100 feet long on top and 20 feet long at bottom, of rubble masonry; wasteway over crest of dam. Estimated cost, \$75,000. (1481).

Mokelumne River Power & Water Co.; San Mateo, 200 cubic feet per second from South Fork Mokelumne River, Calaveras County, tributary of Mokelumne River for development of power. Total amount of power to be developed, 32,250 T. H. P. Water to be diverted over a dam 10 feet high, 50 feet long on top and 10 feet long at bottom, of rubble masonry, with waste way over crest, into main ditch 8 miles long. Estimated cost, \$650,000. (1482).

San Dimas Water Co., San Dimas, 4,000 acre feet per annum from San Dimas Canyon, Los Angeles County, tributary of San Gabriel River, for agricultural and domestic purposes. Water to be used on 2,900 acres. Amount of water to be stored, 4,000 acre feet. Diversion is to be by means of a dam, now under construction by Los Angeles County Flood Control District, under its flood control program in the San Dimas Canyon, and main pipe lines. Estimated cost, \$278,000. (1483).

The Southern Sierras Power Company, Riverside, 6 cubic feet per second from McGee Creek, Inyo County, tributary of Owens River, for power purposes. Total amount of power to be developed, 250 T. H. P. Diversion works consist of main pipe line 0.24 miles long, and a rubble masonry dam, 6 feet high, about 24 feet long on top and about 24 feet long at bottom. Estimated cost, \$12,000. (1485).

LIGHTING SYSTEMS

SAN LEANDRO, Alameda Co., Cal.—Bids will be received by the Trustees, J. J. Gill, City Clerk, up to December 1st, 8 P. M. for the construction of 51 lighting posts to be erected in portions of East Fourteenth street.

The posts will have concrete foundations 30-inches square at the bottom and 20 inches square at the top by 24 inches in depth. The posts will be of reinforced concrete 9 ft. 5 in. high and will have one nitrogen filled lamp enclosed in a glass globe.

Plans may be seen at the office of R. H. Goodwin, City Engineer, 579 25th street, San Leandro.

Certified check of 10% payable to City of San Leandro must accompany each bid.

MACHINERY

SALINAS, Monterey Co., Cal.—The County Supervisors have instructed County Purchasing Agent A. G. Winckler to buy a road grader and steam scarifier and a carload of carbon bisulphide.

ENGINEERING

SEWERS, STREET WORK, ROADS AND WATER SYSTEMS

ORLAND, Glenn Co., Cal.—The City Trustees, finding the majority of taxpayers as being in favor of paving the main streets of the City, have decided to start proceedings providing for the work. The Trustees consider the repairs to the present improvements too costly.

OAKLAND, Cal.—The City Council, L. W. Cummings, City Clerk, has awarded a contract to the Municipal Improvement Co., 357 13th St., Oakland, for the improvement of portions of 23rd and 29th Aves. by grading, constructing brick gutters and concrete curbs, laying an asphalt pavement, 10, 16 and 21 inch pipe conduits, concrete culvert, catchbasins, manholes with standard and inlet tops and storm water inlets.

BEND, Ore.—The contract for the construction of the west central sewer main and laterals has been awarded by the City Council to the United Contracting Co. at \$13,500.50.

MODESTO, Stanislaus Co., Cal.—The Standard Paving Co., being the only bidders, the City Council has awarded contracts for the improvement of H street, west to the Paradise road, and Modesto avenue from McHenry to Johnson street. The bid was 18½ cents per square foot in each case.

LOS ANGELES, Cal.—Until 2 P. M., December 1, bids will be received by the Supervisors of Los Angeles County for constructing a water system in Los Angeles County Water Works District No. 4, City of Lancaster; also for furnishing and erecting a steel tank of 75,000 gallons capacity with tower, for the same district, in accordance with plans and specifications on file at the office of the Board. Certified check for 10% required. A. M. McPherron, Clerk.

SANTA ROSA, Sonoma Co., Cal.—Bids for the construction of a septic tank costing \$8,000, will be called by the City Council shortly, plans having been approved. The tank will be 400 feet long, 15 feet wide and 5 feet deep.

ORLAND, Glenn Co., Cal.—The City Council has instructed the City Engineer to prepare plans, specifications and estimates of costs for extensions of the present water and sewer systems.

These section include the new Spence Addition, the east part of the Papst Addition, the Fair Ground section and the east end of Central Avenue.

PLACERVILLE, El Dorado Co., Cal.—Bids will be received by the County Supervisor, Arthur J. Koletzke, County Clerk, up to December 2nd, 2 P. M., for the building of an earth surface public wagon road, commencing at Station O, at center of present Coloma and Green Valley Road North No degrees 45 minutes 1, 522 feet from the SW corner of SE¼ of NE¼ of Section 13, Twp 10 N R 9 East, M D M and running easterly on surveyed line on northerly side of Dry Creek 6113.20 ft. to point of intersection with present Placerville and Green Valley Road, in the SW¼ of SE¼ of Section 18, Twp 10 N R 9 East, M D M.

Certified check of 10% payable to Chairman of the Board of Supervisors must accompany each bid.

SACRAMENTO, Cal.—The City Commissioners, M. J. Desmond, City Clerk, has instructed City Attorney Archibald Yell to take up with the State Railroad Commission the matter of constructing a subway at Sixteenth street through the B street levee beneath the

tracks of the Southern Pacific Company. If the permit is granted by the Railroad Commission the work will be placed under way at once.

YREKA, Siskiyou Co., Cal.—A petition having been received asking the Trustees to provide for the installation of a sewer in Miner street west of Gold, City Engineer Sarter was instructed to submit a report showing costs, etc.

HOLLISTER, San Benito Co., Cal.—The Town Engineer has been instructed by the Trustees to prepare plans and specifications for street fronting the Rivers property in Stone's Addition on Hawkins street.

ARTINEZ, Contra Costa Co., Cal.—Bids will be received by the County Supervisors, J. H. Wells, County Clerk, up to December 1st, 11 A. M., for grading of Section No. 2 of Division No. 10 of County Highway, which section begins at summit of Barry Hill and runs westerly to Santa Fe Railway a distance of 1.23 miles.

Plans may be had from the County Clerk.

SACRAMENTO, Cal.—The possibilities of constructing a highway from the north and east crossing of the American River near Elvas to relieve congestion on the Auburn Boulevard leading to Sacramento, is being considered by the City Commissioners.

The highway would lead out of Sacramento to the east of E street going under the Southern Pacific tracks on the levee near Elvas, crossing the American River just above the Southern Pacific bridge and running north along the east side of the Southern Pacific track to Roseville until it met the Auburn Boulevard.

If the highway is approved the county would have to build the American River bridge, and construct the highway from the Auburn Boulevard to Elvas, where the city limits begin.

STOCKTON, San Joaquin Co., Cal.—Plans are being completed in the office of the City Engineer for the improvement of streets in Lomita Park.

SACRAMENTO, Cal.—The following awards were made by the Advisory Board of the Department of Engineering on November 6th, 1919:

To H. H. Lienau, Redlands, Cal. For the construction of a section of State highway in Riverside and San Bernardino Counties, Division VII-Route 26-Section B, (Between County Highway No. 32 and Beaumont, 7.1 miles).

Contract price, \$63,622.75.

Engineer's Estimate, \$91,621.15.

To Lynn S. Atkinson Jr., 1124 5th St., Sacramento, Cal. For the construction of a section of State highway in Tehama County, Division II-Route 3 Section A, (Between two miles north of Vina and Los Molines, 4.5 miles).

Contract price, \$53,489.50.

Engineer's Estimate, \$7,513.40.

To George R. Curtis, 2440 E26th St., Los Angeles, Cal. For the construction of a section of State highway in Ventura County, Division VII-Route 2 Sections A and B, (Between Southerly Boundary and Conejo Grade, 5.2 miles).

Contract price, \$114,350.

Engineer's Estimate, \$112,150.

LODI, San Joaquin Co., Cal.—The City Trustees have awarded a contract to the Clark & Henry Construction Co., 38 S-Sutter St., Stockton, for paving South School street.

TRACY, San Joaquin Co., Cal.—J. E. Johnston, E-19th St., Tracy, has been awarded a contract by the City Trustees for the grading and paving of streets in the Rosedale section and work in two parts of the town on Third and C streets, on his bid of \$33,044.15. Three other bids were received, these from Bos & O'Brien of San Francisco, F. A. Clark, San Francisco and H. Laiblin of Manteca.

NAPA, Napa Co., Cal.—The City Council has awarded a contract to Geo. Errington, E-Third St., Napa, for the improvement of Napa and Caymus streets at \$6,096.86.

SALINAS, Monterey Co., Cal.—The City Engineer has been instructed to prepare plans for the construction of cement concrete sidewalks on North Main street for Menke street to the junction of Main and Sausal streets, on both sides of the street.

NAPA, Napa Co., Cal.—The City Engineer has been instructed to prepare plans for a sewer from Franklin street to the Thompson property in Elm street.

MARTINEZ, Contra Costa Co., Cal.—After hearing protests on the proposed sewer and paving districts the City Trustees decided to lay the proposed work over until the first meeting of the Board in December, when a decision will be rendered.

FRESNO, Fresno Co., Cal.—The City Council, Chas. Dillon, City Clerk, has passed resolution of intention providing for the following work:

Construction of artificial stone sidewalks in the east and west sides of Fresno avenue from the south line of Belmont avenue to the north line of Divisadero street.

Improvement of Wishon avenue from the south line of Van Ness avenue to a point 10 feet north of the south line of Block 5, Wilson's North Fresno Tract and to a point 29 feet north of Block 4, Wilson's North Fresno Tract on the east side of the Fresno Traction Company's tracks, by grading; constructing cement concrete curbs and gutters; corrugated iron culverts; culvert manholes; laying a cement concrete base, 4 inches thick and a bituminous wearing surface 1½ inches thick.

Improvement of La Salle avenue from the west line of Blackstone avenue to the west side of Glenn avenue, by grading; cement concrete curbs; artificial stone sidewalks; corrugated iron culverts and oiling roadway between gutter lines.

YUBA CITY, Sutter Co., Cal.—The Supervisors have instructed the County Engineer to prepare plans and specifications for the construction of five miles of road directly south of Yuba City. Bids will be asked for several types of construction.

COUNTY HIGHWAY PROJECTS.

FRESNO, Fresno Co., Cal.—The

County Supervisors have instructed County Highway Engineer Chris. P. Jensen to prepare the necessary surveys for eight additional highway units planned under the county bond issue.

Surveys have been ordered on the following units:

Adams avenue east to the city of Reedley, mileage 12.

From Fowler south on the Fowler-

Laton road to Nebraska avenue, thence east to Selma, mileage 7.50.

From the terminus of the first named contract on Adams avenue north and west through Del Rey to the corner of Washington and McCall avenues.

From Sanger north to Ventura avenue, mileage 1.50.

Fowler-Laton road from the intersection of Nebraska avenue to the county line near Laton, mileage 10.

From Madera avenue west on White's Bridge road to Eldorado avenue, including one mile south from White's Bridge to Kerman, mileage 9.

On the Sanger-Kingsburg avenue from the south city limits of Kingsburg to the Kings county line, and Conejo avenue from the east city limits of Kingsburg east to the Tulare county line.

Clovia avenue from Melvin to Clovia.

The above units cover approximately 50 miles. The type of paving to be used will be determined upon adoption of the formal plans.

GRIDLEY, Butte Co., Cal.—The City Trustees have accepted the plans of City Engineer John Felleman for the paving of several streets and have passed a resolution of intention providing for the work.

Plans call for the paving of Hazel street east and west to the city limits from the points of completion of the present paving. The paving will conform in width to the present width of the streets. Sycamore street is to be paved from the east city limits to the west property line of Indiana street, Spruce street from the west property line of Vermont street to the east property line of Virginia street; Indiana street from the south gutter line of Spruce street to the north property line of Sycamore street.

SAN FRANCISCO.—Following bids were received by the Board of Public Works for the improvement of 42nd avenue between Geary and Anza streets:

C. B. Eaton.....	\$12,840.80
Blanchard, Crocker & Howell	12,952.27
Fay Improvement Co.....	13,688.90
Raisch Improvement Co.....	12,859.60
Flinn & Treacy.....	11,385.28

No bids were received by the Board for the improvement of Roanoke St between Arlington and Chenery Sts.

STOCKTON, San Joaquin Co., Cal.—The County Supervisors have awarded a contract to Cy Moreing, Commercial & Savings Bank Bldg., Stockton, for the construction of 4½ miles of the Borden road. The contract calls for a 16-foot highway with a 6-inch topping of crushed rock. The estimated amount of material needed is about 7040 cubic feet. Moreing's bid was \$3.65 a cubic foot. The total amount of the contract is \$25,000.

SACRAMENTO, Cal.—The California State Highway Commission has de-

cided to do the following highway improvement by force account. A. J. Fairbanks of Willits submitted the lowest bid at \$98,417, and the Engineer's estimate is \$81,266.50.

Placer County, between Auburn and Northern Boundary (III-Pla-17-C), about 6.6 miles in length to be paved with Portland cement concrete.

TWIN FALLS, Ida.—The City Council has let the contract for 12 miles of city paving to the Warren Construction Company of Portland Ore. The contract figures was \$733,627.90 for bitulithic paving. Charles H. Mull was the only competing contractor, his bid being about \$7000 above that of his competitor.

MARTINEZ, Contra Costa Co., Cal.—Bids will be received by the City Trustees, Charles E. Daley, City Clerk, up to November 24th, 8 P. M., for the improvement of portions of High, Talburt, Main, Escobar, Howard Castro and Berrelles streets by grading and paving; installation of corrugated iron and concrete culverts; concrete curbs; vitrified ironstone sewers, etc.

Certified check of 10% must accompany each bid. Plans and further information may be had from the City Clerk at Martinez.

SAN BERNARDINO, Cal.—The City Council has approved plans and specifications for 19,210 feet of sewers to be constructed in the southwest part of the city. The sewers will be 6 to 12 inches. An assessment district will be created. W. D. Brown, City Engineer.

SAN LUIS OBISPO, San Luis Obispo Co., Cal.—The County Engineer is making preliminary surveys for the continuance of the state highway through the City of San Luis Obispo. The work will cost about \$28,000. Construction will depend on the outcome of the county highway bond issue to be voted upon December 16th.

Preliminary plans for the construction of the Paso Robles-Cambria road to cost, about \$8,000, is being completed by the County Engineer. F. J. Rodriguez is County Clerk.

MARTINEZ, Contra Costa Co., Cal.—

County Surveyor Ralph R. Arnold reports plans nearing completion of the proposed seventeen mile road to be known as the Scenic Highway, from Bryant, on the tunnel road, to San Pablo. Plans will be ready for contractors to submit figures by the first of the year.

TACOMA, Wash.—Bids will be received by the Pierce County Commissioners up to November 28th, 11 A. M., for the construction of highways under the recent \$7,500,000 bond issue.

The work includes 20 miles of grading and paving and is estimated to cost \$492,000.

The projects listed under the call for bids include 2 miles of clearing, grubbing and grading of the Eatonville highway, known as Bond Issue Proposition No. 24, cost \$73,400; 12 miles of grading and paving of the Spanaway-McKenna Highway, Propositions Nos. 20, 21 and 22, costing \$287,000; 1½ miles grading and paving of

the James R. Thompson road, Propositions Nos. 18 and 19, costing \$102,000, and 2 miles clearing and grading of the East Side Drive, Bond Issue No. 2, costing \$30,000.

Plans may be had from County Engineer White at Tacoma.

MARTINEZ, Contra Costa Co., Cal.—Bids will be received by the County Supervisors, J. H. Wells, County Clerk, up to December 1st, 11 A. M., for furnishing and delivering of coarse and fine aggregate for use on the County highways during the year 1920.

FIRE EQUIPMENT.

SAUSALITO, Marin Co., Cal.—The City Trustees have awarded a contract to the American Rubber Co., 356 Market St., San Francisco, for furnishing and delivering 1,000 feet of 2½ inch rubber hose for use of the fire department. The hose must stand a pressure of four hundred pounds per square inch.

Pacific PIPE

SAVES YOU MONEY

New and re-nused screw casing and standard pipe for every requirement; tested and guaranteed for 150 pounds working pressure; dipped in hot asphaltum to prevent corrosion. Extensively used by orchardists and farmers, water-works, mines, etc.

Pacific Screw Casing is seamless steel pipe, light weight, fine thread. Saves you from one-half to two-thirds in cost; freight is half as much as on standard pipe.

Fittings and valves for every purpose; special fittings made to order. Tell us today what your requirements are; let us save you money.

PACIFIC PIPE CO.,
231 Howard St. San Francisco

ENGINEERING SOCIETY TAKES IN FIRST WOMAN.

STANFORD UNIVERSITY, Cal.—Miss Kirby Ingolsby, first woman student to be elected to the American Mechanical Engineering Society, has been initiated into the local chapter of that organization. Miss Ingolsby is a junior student at Stanford and is preparing herself for mechanical engineering as a profession. She is the only woman student ever registering in the mechanical engineering department here.

Although Miss Ingolsby spends most of her time working in overalls in the machine shop and foundry, she has taken part in many college activities including journalism, swimming, and as composer of the opera given by the junior class last year.

SALE OF MACHINE TOOLS TO BELGIUM.

The director of sales announces the War Department has entered into a contract with La Construction Metallique, a co-operative society composed of the heads of approximately 500 industrial organizations of Belgium, for the sale of a quantity of surplus machine tools held by the War Department.

The Belgian government has arranged, through American banking interests, for a credit of \$50,000,000 in the United States, and La Construction Metallique has been authorized by the Belgian government to make purchases of machine tools against this credit to the extent of 25,000,000 francs. To date La Construction Metallique has purchased from the War Department approximately 2,500 machine tools.

The contract with La Construction Metallique was made by C. W. Hare, director of sales, during his recent visit to Europe. La Construction Metallique recently sent to the United States a commission headed by Lieutenant Jean Jean, the director general of the co-operative society, to make a general survey of the mechanical equipment which the bureaus of the War Department hold as surplus.

The machine tools sold to La Construction Metallique are now being selected from the several districts of the ordnance department, the air service, and the purchase and storage service, and are being put in transit to Belgium as rapidly as they can be prepared for shipment.

ROAD MATERIAL TO COST MORE THAN HALF MILLION.

RICHMOND, Cal.—According to figures prepared by County Surveyor Ralph Arnold, the cost of materials for the county highway system planned under the \$2,600,000 bond issue will be \$550,000. At the next meeting of the Supervisors Arnold will present a plan for the purchase of all the material at one time, hauling it to the sections to be built and having it all in readiness for the work that starts in the spring. He says that by buying the sand and gravel and rock this fall a large amount of money can be saved. According to his figures the material to be used will comprise 110,000 tons of rock, 50,000 tons of sand and 115,000 barrels of cement. This material will build forty-eight miles of first-class highway and nineteen and a quarter miles of secondary roads.

ASK HELP OF U. S. TO REBUILD HOMES.

SAN JUAN, Porto Rico.—To interest people in the United States in the rebuilding of homes and properties destroyed a year ago by the earthquake, the Western Porto Rico Building Association has sent a commission to New York which will establish headquarters there from which to direct their work. It is proposed to advance money to owners of property for long period of years and without interest. As repayments are made the association will use the funds for building schools and hospitals and other needed public buildings.

CONTRACTS AWARDED

Liens, Acceptances, Etc.

BUILDING CONTRACTS.

San Francisco County.

The following is an index for the contracts for this issue.

No.	Owner	Contractor	Am't.
2464	Lame	Arras	6000
2465	Bonneau	Bonneau	500
2466	Johnson	Thunberg	5000
2467	Kessel	Hantzsche	4770
2468	Lang	Lang Realty	4500
2469	Bankers Inv Co	Malloch	2330
2470	St. Joseph's	Fennell	5322
2471	Thomson	Reedy	2000
2472	Bjorkman	Holmgren	2900
2473	Helwig	Glaser	900
2474	Mires	Hatch	400
2475	Tracy	Keenan	11315
2476	Peacock	Western	3500
2477	Zellerbach	Hoin	2500
2478	Levin	Levin	18000
2479	Hall	Hall	3000
2480	Homestead Rlty	Owner	3000
2481	Lash	MacDonald	900
2482	Gandolfo	Owner	500
2483	Eisenbach	Fontanella	400
2484	Webbin	Thunberg	5000
2485	Dock Motor	Amer Con	33000
2486	Bronstein	Owner	4000
2487	Garden Homes	Morton	6300
2488	Garden Homes	Morton	10500
2489	Hein	Roemer	3800
2490	Little	Little	8000
2491	Kruger	Schmitt	14900
2492	Bates	Boyver	1300
2493	Minetti	Barrett	400
2494	Buckley	Owner	800
2495	Schmidt	Munster	500
2496	Western Un	Malloch	1000
2497	Nicholson	Mulcahy	7500
2498	Bauer	Bauer	6000
2499	Gen Cigar	Macdonald	60000
2500	Pake Lite	Owner	500
2501	Lundstrom	Owner	400
2502	Fanto	Sandberg	400
2503	Hamburger	Schultz	8900

CARAGE

(2464) W HOFF 247 S 16th. One-story concrete garage.
Owner—J. A. Lame, 316 Sharon Bldg., San Francisco.
Architect—Arthur S. Bughe, 316 Sharon Bldg., San Francisco.
Contractor—Adam Arras, 110 Jessie, San Francisco.
COST, \$6000

ADDITION

(2465) NO. 2550 SAN BRUNO AVE. Addition of 2 rooms for dwelling.
Owner—A. F. Bonneau, 2548 San Bruno Ave., San Francisco.
Architect—None.
Day's work. COST, \$500

FRAME FLATS

(2466) W TWENTY-SECOND AVE 225 N Geary. Two-story and basement frame (2) flats.
Owner—John Johnson, 42 Mars, S. F.
Architect—None.
Contractor—Eus E. Thunberg, 640 9th Ave., San Francisco.
COST, \$5000

FRAME DWELLING

(2467) W THIRTY-FIRST AVE 125 N Geary. One-story and basement frame dwelling.
Owner—H. J. Kessel, 467 31st Ave., San Francisco.
Architect—None.

Contractor—G. M. Hantzsche, 528 31st Ave., San Francisco.

COST, \$4770

FRAME DWELLING

(2468) LOT 21 BLK 2988, Claremont Court. Two-story and basement frame dwelling.
Owner—H. D. Lang, Mills Bldg., S. F.
Architect—Lang Realty Co.
Contractor—Lang Realty Co., Mills Bldg., San Francisco.
COST, \$4500

ALTERATIONS

(2469) NO. 51 GEARY AND 722 Market. All work for alterations and additions to building occupied by Western Union Telegraph Co.
Owner—Bankers Investment Co., Prem
Architect—F. H. Meyer, 742 Market, San Francisco.
Contractor—J. S. Malloch, 110 Jessie, San Francisco.
Filed Nov. 10, '19. Dated Nov. 4, '19.
On list of each month..... 75%
Usual 35 days 25%
TOTAL COST, \$2330
Bond, \$1165. Surety, The Fidelity & Casualty Co. Limit, 50 days. Forfeit, none. Plans and specifications filed.

RETAINING WALL

(2470) PARK HILL AND BUENA Vista Ave. All work for retaining wall for St. Joseph's Home and Hospital.
Owner—St. Joseph's Home & Hospital.
Architect—Leo J. Devlin, Pacific Bldg San Francisco.
Contractor—Fennell & Chisholm 180 Jessie, San Francisco
Filed Nov. 10, '19. Dated Oct. 23, '19.
On list of each month..... 75%
Usual 35 days 25%
TOTAL COST, \$5922.25
Bond, \$6000. Sureties, D. J. Sullivan Jno. McGuigan and Jno. W. Bender. Limit, 40 days. Forfeit, none. Plans and specifications filed.
NOTE:—1st report Nov. 6, No. 2432

FRAME SHED

(2471) W MISSION 70 N Charles. One-story frame moulding shed.
Owner—H. S. Thomson, Mission and Charles, San Francisco.
Architect—None.
Contractor—Wm. M. Reedy, 267 Ellsworth, San Francisco
COST, \$2000

FRAME DWELLING

(2472) W SEVILLE 152 E Cordova. One-story and basement frame dwlg
Owner—Bjorkman & Holmgren, 1206 Naples, San Francisco.
Architect—None.
Contractor—Victor Holmgren, 1206 Naples, San Francisco.
COST, \$2900

BAKE OVEN

(2473) NO. 41 STOCKTON. Brick bake oven.
Owner—H. Helwig, Premises,
Architect—None.

Contractor—J. P. Glaser & Co., 2480 Union, San Francisco.

COST, \$900

ALTERATIONS

(2474) NO. 3122 FULTON. Move and alter.
Owner—J. F. Mires, 44 Palm Ave., San Francisco.
Architect—None.
Contractor—H. L. Hatch, 4439 Geary, San Francisco.
COST, \$400

FRAME FLATS

(2475) E MASONIC AVE 75 S Fulton. All work for two-story and basement frame (2) flats.
Owner—Mamie J. or Marie J. Tracy, 1135 Masonic Ave., San Francisco.
Architect—None.
Contractor—H. C. Keenan, 300 Webster, San Francisco.
Filed Nov. 12, '19. Dated Nov. 11, '19.
Frame up \$2829
Brown coated 2829
Completed 2829
Usual 35 days 2828
TOTAL COST, \$11,315
Bond, none. Limit, Feb. 11, 1920. Forfeit, none. Plans and specifications filed.

STORE FIXTURES

(2476) SW MARKET AND SIXTH. All work for store fixtures.
Owner—Peacock Drug Co.
Architect—Earle B. Bertz, 68 Post St., San Francisco.
Contractor—Western Hardwood Mfg. Co., 1034 Golden Gate Ave., S. F.
Filed Nov. 12, '19. Dated Nov. 12, '19.
Mezzanine floor, partitions on same and laboratory completed. \$1000
All wood work installed 1000
Completed and accepted 625
Usual 35 days 875
TOTAL COST, \$3500
Bond, none. Limit, Dec. 22, 1919. Forfeit, \$25. Plans and specifications filed.

REPAIRS

(2477) NE ARGUELLO BLVD. AND Geary. Repair brick work, wood floor, etc.
Owner—Zellerbach-Levinson Co., 1540 California, San Francisco.
Architect—S. Heiman, 57 Post St., San Francisco.
Contractor—Theo. S. Hoin, 1739 Washington, San Francisco.
COST, \$2500

AUTO SALESROOM

(2478) E VAN NESS AVE 63-10 S Clay. One-story concrete auto salesroom.
Owner—Julius Levin Co., Humboldt Bank Bldg., San Francisco.
Architect—E. E. Young, 251 Kearny, San Francisco.
Day's work. COST, \$18,000

FRAME DWELLING

(2479) W EASTWOOD 85 N Wildwood. One-story and basement frame dwelling.

Owner—C. A. Hall, 1301 4th Ave., S. F.
 Architect—None.
 Day's work. COST, \$2000

REPAIRS
 (2480) NOS. 929-31-35 SILVER AVE.
 Repair fire damage to dwellings.
 Owner—Homestead Realty Co., 704
 Market, San Francisco.
 Architect—None.
 Day's work. COST, \$3000

OFFICE, ETC.
 (2481) NW ARKANSAS AND 17th.
 One-story frame sales room and office.
 Owner—Horace Lash, Monadnock
 Bldg., San Francisco.
 Architect—None.
 Contractor—J. A. MacDonald, 864 Mc-
 Allister, San Francisco.
 COST, \$900

FRAME DWELLING
 (2482) S GENEVA 350 W Paris.
 One-story and basement frame dwlg.
 Owner—David Gandolfo, 928 Geneva,
 San Francisco.
 Architect—None.
 Day's work. COST, \$500

ALTERATIONS
 (2483) SW HOWARD AND SIXTH.
 Alter for meat market.
 Owner—Eisenbach Co., Plafiron Bldg.,
 San Francisco.
 Architect—None.
 Contractor—L. Fontanella, 1920 Pine,
 San Francisco.
 COST, \$400

ALTERATIONS
 (2484) SE FULTON & BRODERICK.
 Alter 3 flats and store into 3 and 4
 room apartments.
 Owner—W. Weblin, 3626 Sacramento,
 San Francisco.
 Architect—None.
 Contractor—Oscar Thunberg, 678 9th
 Ave., San Francisco.
 COST, \$5000

GARAGE
 (2485) N CALIFORNIA 137-6 E Hyde
 Two-story concrete garage.
 Owner—Dock Motor Co., 320 Pierce,
 San Francisco.
 Architect—None.
 Contractor—American Concrete Co.,
 785 Market, San Francisco.
 COST, \$33,000

ALTERATIONS
 (2486) E WEBSTER 25 S O'Farrell.
 Alter and add for two-story frame
 (2) flats.
 Owner—N. Bronstein and N. Gevisky,
 1120 Pierce, San Francisco.
 Architect—W. H. Armitage, 1107 Pierce
 San Francisco.
 Day's work. COST, \$4000

FRAME DWELLING
 (2487) W SAN PABLO 393 S Portal
 Drive. One-story and basement
 frame dwelling.
 Owner—Garden Homes Co., 278 Post,
 San Francisco.
 Architect—Henry H. Gutterson, 278
 Post, San Francisco.
 Contractor—John Morton, 180 Jessie,
 San Francisco.
 COST, \$6300

DWELLING
 (2488) W SANTA PAULA 173 S Por-
 tola Drive. Two-story and basement
 frame dwelling.

Owner—Garden Homes Co., 278 Post,
 San Francisco.
 Architect—Henry H. Gutterson, 278
 Post, San Francisco.
 Contractor—John Morton, 180 Jessie,
 San Francisco.
 COST, \$10,500

ALTERATIONS
 (2489) NO. 228 POWELL. New front,
 shelves, partitions and electric work
 Owner—F. L. Hein & Son, Premises.
 Architect—F. A. Roemer.
 Contractor—F. A. Roemer, 2904 Jack-
 son, San Francisco.
 COST, \$3800

FRAME FLATS
 (2490) SE CARRILLO AND NINE-
 tenth Ave. Two-story and base-
 ment frame (4) flats.
 Owner—John Little, 1035 Lincoln Way
 San Francisco.
 Architect—E. E. Young, 251 Kearny,
 San Francisco.
 Day's work. COST, \$8000

ALTERATIONS
 (2491) NO. 1430 McALLISTER. Erect
 partitions, construct baths, wall
 beds, hardwood floors, tile baths, rat-
 proofing, glazing, electric work, fire
 escapes, painting, Marshall Stearns
 wall beds, Hoosier cabinets, etc., for
 altering three-story frame flats into
 apartments.
 Owner—S. A. Kruger 2569 Mission St.,
 San Francisco.
 Architect—O. E. Evans, 2569 Mission
 St., San Francisco.
 Contractor—E. A. Schmitt, Premises.
 COST, \$14,900

ADDITIONS
 (2492) NO. 2767 CLAY. Addition to
 dwelling and concrete foundation.
 Owner—Geo. E. Lates, Premises.
 Architect—None.
 Contractor—Boyer & Sons, 2407 Cali-
 fornia, San Francisco.
 COST, \$1300

ADDITION
 (2493) NO. 3323 CLAY. Add sleeping
 porch.
 Owner—Julio Minetti, 3325 Clay, S. F.
 Architect—None.
 Contractor—Barrett & Hilp, Sharon
 Bldg., San Francisco.
 COST, \$400

ALTERATIONS
 (2494) SE FLORIDA AND TWENTY-
 sixth. Tar and gravel roof; alter
 store front and concrete floor.
 Owner—John Buckley, 207 Dolores,
 San Francisco.
 Architect—None.
 Day's work. COST, \$800

ADDITION
 (2495) NO. 400 LINARES AVE. Add
 sun porch, plaster, etc.
 Owner—John Schmidt, Premises.
 Architect—None.
 Contractor—Munster & Bornholdt, 1530
 Broderick, San Francisco.
 COST, \$500

ALTERATIONS
 (2496) S TEHAMA 200 E Fourth.
 Erect T. & G. partition and 2 terra
 cotta flues.
 Owner—Western Union Telegraph Co.,
 742 Market, San Francisco.
 Architect—None.

Contractor—J. S. Malloch, 180 Jessie,
 San Francisco.
 COST, \$1000

BRICK WORK, ETC.
 (2497) N PACIFIC 103-6 E Stockton
 N 117-6xW 34. Brick work, exca-
 vating, carpenter and mill, glass,
 glazing, plumbing, roofing, concrete,
 electrical work, cementing, etc., for
 one-story brick building.
 Owner—Jas. Nicholson.
 Architect—A. A. Cantin 68 Post St.,
 San Francisco.
 Contractor—Thos. F. Mulcahy, 180 Jes-
 sie St., San Francisco.
 Filed Nov. 14, '19. Dated Nov. 14, '19.
 On 1st and 15th of each month 75%
 Usual 35 days..... 25%
 TOTAL COST, \$7500
 Bond, none. Limit, 60 days after Nov.
 17, 1919. Forfeit, none. Plans and
 specifications filed.

FRAME DWELLING
 (2498) LOT 2 BLK 3196 Westwood
 Park. All work for one-story and
 basement frame dwelling and garage
 Owner—Lucy A. Bauer and Arthur
 Quinn, 2506 23rd Ave., S. F.
 Architect—Ida F. McCain, 318 Kearny,
 San Francisco.
 Contractor—Louis A. Bauer, 2506 23rd
 Ave., San Francisco.
 Filed Nov. 14, '19. Dated Oct. 28, '19.
 Frame up and enclosed.....\$1500
 Brown coated 1500
 Completed and accepted..... 1500
 Usual 35 days..... 1500
 TOTAL COST, \$6000
 Bond, \$3000. Surety, Louise Bauer.
 Limit, 90 days. Forfeit, none. Plans
 and specifications filed.
 NOTE:—1st report Nov. 1, 1919 No.
 2397.

WAREHOUSE
 (2499) SE BRANNAN AND THIRD.
 Two-story reinforced concrete ware-
 house.
 Owner—General Cigar Co., Inc., 907
 Rialto Bldg., San Francisco.
 Architect—Macdonald & Kahn, 907 Ri-
 alto Bldg., San Francisco.
 Contractor—Macdonald & Kahn, 907
 Rialto Bldg., San Francisco.
 COST, \$60,000

ALTERATIONS
 (2500) NO. 220 MARKET. Alter for
 bakery and lunch room.
 Owner—Bake Rite Bread Factory,
 Premises.
 Architect—None.
 Day's work. COST, \$500

GARAGE
 (2501) NE DIVISADERO & GREEN-
 wich. One-story concrete private
 garage.
 Owner—K. A. Lundstrom, 2100 Divisa-
 dero, San Francisco.
 Architect—None.
 Day's work. COST, \$400

ALTERATIONS
 (2502) NO. 142 FIFTEENTH AVE.
 Rebuild sleeping porch.
 Owner—R. Fanto, Premises.
 Architect—None.
 Contractor—G. Sandberg, 1141 Lake,
 San Francisco.
 COST, \$400

ALTERATIONS
 (2503) E SPRUCE 27-8 1/2 S Clay S 25
 xE 87-6. Alterations and additions
 to two-story frame (2) flats.

Owner—H. and Daisy Hamburger, 3390 Clay, San Francisco.
 Architect—C. S. McNally, 23 Woodland Ave., San Francisco.
 Contractor—Schultz Constr. Co., 46 Kearny St., San Francisco.

Filed Nov. 15, '19. Dated Nov. 12, '19.
 Frame up and roof on \$2255
 Brown coated 2255
 Completed 2255
 Usual 35 days 2255
 TOTAL COST, \$8900

Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

COMPLETION NOTICES.

San Francisco County

Nov. 4, 1919—LOT 5 S 10 feet Lot 4
 Rk 3107, Westwood Park. Ida F
 McCain to H J Hansen. Nov. 1, 1919
 Nov. 8, 1919—S FULTON 131-3 W
 Clayton W 25xS 137-6. Jas Ward
 to Chas E Coburn. Oct. 5, 1919
 Nov. 8, 1919—E CENTRAL AVE 50 N
 Waller N 30 E 53-11 1/2 SE 34-10 1/2
 m or l 71-5 1/2 m or l 1. Niels Schultz
 to whom it may concern. Nov. 1, 1919
 Nov. 8, 1919—N HARRISON 300 W
 5th W 200xN 80. Fifth Street Co to
 A W Lawson. Nov. 5, 1919
 Nov. 8, 1919—E HOMESTEAD 35 N
 25th 25x75. Michael McDonough
 and Lawrence Costello to whom
 it may concern. Nov. 12, 1919
 Nov. 8, 1919—N SEVENTEENTH &
 Missouri N 200xW 200. Real Estate
 & Development Co to M Johnson.
 Nov. 10, 1919—LOT 13 BLK 3176.
 Westwood Park. Gordon W Morris
 to Linnie Morris. Oct. 31, 1919
 Nov. 10, 1919—S POST 100 1/2 E
 Hyde E 34.04xS 137-6. O'Brien
 Kiernan Realty Co to Kiernan &
 O'Brien. Nov. 10, 1919
 Nov. 10, 1919—LOT 9 BLK "A" Peo-
 ples Hr Ass'n. Allec Cohen to H
 Abrahams. Nov. 9, 1919
 Nov. 10, 1919—E CHURCH 5 S
 Duncan S 25xS 114. William J and
 Ida E Welch to Wm M Reedy.
 Nov. 10, 1919—E FIFTH AVE AND
 Irving. Christ Church Lutheran.
 Inc to H Williamson Co and Cal-
 ifornia Elec Constr Co. Nov. 7, 1919
 Nov. 12, 1919—E FORTY-THIRD
 Ave 175 S Balboa. S 25x E 120.
 Thos Hamill to whom it may con-
 cern. Nov. 12, 1919
 Nov. 12, 1919—W FRANKLIN 127-6
 N Vallejo. I M Green to E J Mont-
 gomery. Nov. 6, 1919
 Nov. 12, 1919—S PELL 10 E
 Franklin E 27-6xS 120. Arthur F
 Rousseau to whom it may con-
 cern. Nov. 22, 1919
 Nov. 12, 1919—S REVERE AND
 Keith SE 75xSW 100. E J Gal-
 lagher to Jas Arnott & Son. Nov. 1, 1919
 Nov. 12, 1919—S PACIFIC AVE bet.
 Presidio and Walnut. A B C Dohr-
 mann to Chas Stockholm & Son. Nov. 1, 1919
 Nov. 13, 1919—S CLEMENT 107-6 E
 Ninth Ave E 52xS 100. Irene Hav-
 slide to Wegner & Bloch. Oct. 27, 1919
 Nov. 13, 1919—LOT 24 BLK 19.
 Castro Street Add'n and Glen Park
 Terrace. Amanda and Clement
 Schoenhuber to Olat Olsen. Nov. 13, 1919
 Nov. 14, 1919—SW FRONT & HAL-
 leck. M S Cowen to Brucher &
 Serna. Nov. 8, 1919

LEASES.

San Francisco County.

Nov. 10, 1919—NO. 1120 JACKSON.
 Chas. Brier to Adelia V Feralta. 5
 years \$23,700.
 Nov. 10, 1919—PTN NW ELLIS and
 Stockton. Dunne Investment Co. to
 Louis Van Vleet. 5 years. \$36,000.
 Nov. 10, 1919—E POLK 87-8 1/2 S Clay.
 Mary N Lucy H and Edith W Allayne
 to Adolph Bonart & Co. 5 years.
 David Birnbaum, B Raffaelli and
 Solomon Resnick. 5 years 9 months.
 \$16,485.50
 Nov. 13, 1919—NO. 2841 TWENTY-
 fourth bet. Bryant and York. John
 H P ppe to Marya Matulich. 5 years
 \$1650.

Nov. 13, 1919—NOS. 64-66 SIXTH.
 Ashcroft Estate Co to Jacob Rhode.
 3 years. \$160 per month.
 Nov. 13, 1919—S EIGHTEENTH 55 E
 Castro E 20xS 45. Gustave and
 Alaina May, Mrs I R Kirby to A
 Micalde. 5 years. \$30 per month.
 Nov. 14, 1919—NO. 2 AND 2-A FALCON
 Ave, Cor Danvers. John Feis to
 Fred G Horner. 5 years, \$60 per
 month.

BUILDING CONTRACTS.

Alameda County.

3439	Brinkerhoff	Jones	400
3440	Long	Vail	800
3441	Johnson	Stolte	3850
3442	Fry	Peppin	3500
3443	Thaxter	Owner	5000
3444	Woodberg	Kimball	800
3445	Miles	Horton	400
3446	Shuey	Blackock	1000
3447	Anderson	Owner	400
3448	Ala Pub Health	Duval	4845
3449	Merz	Boehmner	2000
3450	Smith	Pratt	1500
3451	Pennacy	Owner	1500
3452	Calley	Owner	3000
3453	Wallace	Wallace	500
3454	Clark Thlr.	Owner	450
3455	Miller	Morgensen	760
3456	Gussi	Wingaretta	1300
3457	Williams	Owner	450
3458	Hudson	Owner	1500
3458	Johnson	Larmer	13000
3459	Werner	Werner	2000
3460	Bakke	Owner	150
3461	Seichan	Stewart	2000
3462	Chick	Leonard	5900
3463	Iacon	Stewart	450
3464	Blanchard	Umar	1780
3465	Arents	Oakley	2750
3466	Fleming	Owner	600
3467	Duere	Anderson	400
3468	Standard Invest	Owner	700
3469	Pavert	Owner	11980
3470	Same	Same	20965
3471	Same	Same	8985
3472	Same	Same	2995
3473	Same	Same	2995
3474	Same	Same	2995
3475	Bratset	Bratset	5000
3476	Pearce	Pearce	5000
3477	Rollins	Rollins	2500
3478	Graft	Graft	3350
3479	Moore	Moore	3500
3480	Pfund	Christenson	14000
3481	Berande	Nunes	13346
3482	Cal Bldrs	Owner	15000
3483	Same	Same	3000
3484	Same	Same	6000
3485	Baird	Pearson	5400
3486	Bald Dev	Mason	3000
3487	Duncan	Dwyer	2000
3488	Thomas	Owner	650
3489	State of Cal	Cal Highway	20000
3490	Trick	Alder	2500
3491	Hil Claremont	Dawson	3000
3492	Cross	Burks	2450
3493	Blucher	Owner	3700
3494	Page	Carlson	3000
3495	Franklin Mkt	Owner	3900
3496	Cantando	Austy	800
3497	Russell	Russell	1000
3498	Talbot	Talbot	800
3499	Mkt Laundry	Pedgrift	400
3500	Newly	Owner	1000
3501	Ferguson	Owner	400
3502	Ikely Bd Ed	Owner	950
3503	Yager	Yager	2000
3504	Lania	Owner	400
3505	Alonzi	Alonzi	400
3506	Stone	Stone	500
3507	Goodwill	Owner	735
3508	Gardner	Gardner	400
3509	Pollard	Stanley	1200

ADDITION

(3439) NO. 388 BELLEVUE AVE.,
 Oakland. Addition.
 Owner—Elmer E. Brinkerhoff, Prem.
 Architect—None.
 Contractor—F. G. Jones, 1217 Webster
 St., Oakland.
 COST, \$400

ADDITION

(3440) NO. 1810 ALICE, Oakland. Ad-
 dition.
 Owner—A. V. Long, Franklin St., Okd.
 Architect—Miller & Warnecke, 414
 13th. Oakland.
 Contractor—Henry R. Vail, Syndicate
 Bldg., Oakland.
 COST, \$200

DWELLING

(3441) LOT 22, BLK E, Map Bella
 Vista Park, Oakland. One-story
 frame dwelling.
 Owner—Henrietta A. Johnson, 731
 Henry St., Oakland.
 Architect—None.
 Contractor—F. C. Stolte, 3449 Laguna
 Ave., Oakland.
 Filed Nov. 10, '19. Dated Nov. 8, '19.
 Rafters placed 1/4
 Brown coated 1/4
 Completed 1/4
 Usual 35 days 1/4
 TOTAL COST, \$3850

Bond, \$1925. Sureties, W. H. Pollard,
 Jr., and C. W. Broderick. Forfeit,
 none. Limit, 90 days. Plans and spec-
 ifications filed.

DWELLING

(3442) W 20 LOT 12, BLK 3, Broad-
 moor Tract, San Leandro. One-
 story six-room dwelling.
 Owner—A. J. Fry, San Leandro.
 Architect—None.
 Contractor—J. E. Peppin, San Lean-
 dro.

Filed Nov. 10, '19. Dated Nov. 10, '19.
 Frame up 1/4
 Brown coated 1/4
 Completed 1/4
 Usual 35 days 1/4
 Bond, none. Sureties, ———, Forfeit,
 \$1. Limit, 40 days. No plans or spec-
 ifications filed.

DWELLING

(3443) N DERBY 180 E Shattuck Ave
 Berkeley. Two-story 7-room dwlg.
 Owner—Georgia T. Thaxter, 1703 Vir-
 ginia, Berkeley.
 Architect—None.
 Contractor—F. W. Thaxter, 1703 Vir-
 ginia, Berkeley.
 COST, \$5000

ALTERATIONS

(3444) NO. 2137 HASTE, Berkeley.
 Alterations.
 Owner—Lizzie K. Woodberg, 2131 Haste,
 Berkeley.
 Architect—None.
 Contractor—Roy T. Kimball, 316 Clay
 St., San Francisco.
 COST, \$800

DWELLING

(3445) KAINS AVE 105 S Camelia,
 Berkeley. One-story 2-room dwell-
 ing.
 Owner—Miss T. M. Miles, 1404 5th,
 Berkeley.
 Architect—None.
 Contractor—Jas. D. Horton, 235 Blake
 Block, Oakland.
 COST, \$400

GARAGE, ETC.

(3446) NO. 2709 TELEGRAPH AVE.,
 Berkeley. Shed and garage.
 Owner—Shuey Creamery Co., Prem.
 Architect—None.
 Contractor—Blackock, Dixon, Cal.
 COST, \$1000

STORES

(3447) W GRAND AVE 40 N Santa
 Clara Ave., Oakland. One-story
 stores.
 Owner—Anderson & Bryant, 5654 Col-
 lege Ave., Oakland.
 Architect—None.
 Day's work. COST, \$7000

ALTERATIONS

(3448) NO. 3195 GROVE, Oakland.
Alterations to medical clinic.
Owner—Alameda Public Health Center,
Care H. S. Robinson.
Architect—None.
Contractor—Oliver Duval & Son, Dal-
ziel Bldg., Oakland.
COST, \$4845

DWELLING

(3449) S ELMWOOD AVE 100 E
Fruitvale, Oakland. One-story five-
room dwelling.
Owner—Edward Merz, 3221 Elmwood
Ave., Oakland.
Architect—None.
Contractor—H. M. Boehmer, 210 E-
11th, Oakland.
COST, \$2000

DWELLING

(3450) W EL CENTRO 70 N Glendora,
Oakland. One-story 3-room dwlg.
Owner—Grace M. Smith, 926 33rd, Okd.
Architect—None.
Contractor—H. S. Pratt, 4605 El Centro
Oakland.
COST, \$2900

DWELLING

(3451) E EIGHTY-EIGHTH AVE 215
S "B", Oakland. One-story 5-room
dwelling.
Owner—J. E. Fennacy, 304 E-16th, Okd.
Architect—None.
Day's work.
COST, \$1800

DWELLING

(3452) W SHERIDAN AVE 300 S
Proctor Ave., Oakland. One-story 5
room dwelling.
Owner—Henry C. Calley, Premises.
Architect—None.
Day's work.
COST, \$3000

ADDITION

(3453) NO. 331 E-FOURTEENTH ST.,
Oakland. Addition.
Owner—Frank Wallace, Premises.
Architect—None.
Day's work.
COST, \$500

GAS FURNACE

(3454) NO. 647 E-TWELFTH, Oak-
land. Gas furnace.
Owner—Park Theatre Co.
Architect—None.
Contractor—Hall Furnace Co., 512 12th
Oakland.
COST, \$450

ADDITION

(3455) NO. 515 FORTY-SECOND ST.,
Oakland. Addition.
Owner—George W. Miller, Premises.
Architect—None.
Contractor—Morgensen Bros., 413 44th
Oakland.
COST, \$760

REPAIRS

(3456) NO. 1724 CYPRESS, Oakland.
Fire repairs.
Owner—Gussi & Co., 1385 16th, Oakland
Architect—None.
Contractor—C. Wingaretta, 1393 18th,
Oakland.
COST, \$1300

GARAGE

(3457) NO. 573 KENMORE AVE., Oak-
land. Garage.
Owner—H. R. Williams, Premises.
Architect—None.
Day's work.
COST, \$450

ADDITIONS

(3458) E MICHELL 165 and 245 S

Foothill Blvd. Additions to build-

ings.
Owner—George Hudson, 2429 E-23rd,
Oakland.
Architect—None.
Day's work.
COST, \$1000 each

APARTMENTS

(3458) W COLLEGE AVE 350 N Al-
catraz Ave., Berkeley. Two-story
16-room apartments and 3 garages.
Owner—Ellen Johnson, Oakland.
Architect—None.
Contractor—Edw. Larmer, 470 Boule-
vard Way, Berkeley.
COST, \$13,000

DWELLING

(3459) E PARK 35-S Ward, Berkeley.
One-story 5-room dwelling.
Owner—Chas. A. Werner, 2416 10th,
Berkeley.
Architect—None.
Day's work.
COST, \$2000

ADDITION

(3460) NO. 1109 AMADOR, Berkeley.
Addition.
Owner—Blake Hopkins, Premises.
Architect—None.
Day's work.
COST, \$450

DWELLING

(3461) NO. 1408 CENTRAL COURT,
Alameda. One-story 4-room dwelling
Owner—F. L. Selchan, 517 Central Ave.,
Alameda.
Architect—None.
Contractor—G. W. Stewart, 3010 Cen-
tral Ave., Alameda.
COST, \$2000

DWELLING

(3462) S CLINTON AVE 165 W Wal-
nut, Alameda. One-story 5-room
dwelling.
Owner—Harry E. Chick, 279 Diamond,
San Francisco.
Architect—None.
Contractor—J. A. Leonard, 90 Cedar
Ave., San Francisco.
COST, \$5900

GARAGE

(3463) NO. 3000 CENTRAL AVE., Ala-
ameda. Garage.
Owner—Mrs. Wm. Bacon, Premises.
Architect—None.
Contractor—G. W. Stewart, 3010 Cen-
tral Ave., Alameda.
COST, \$450

ALTERATIONS

(3464) NOS. 1526-28-30 PARK, Ala-
ameda. Alterations.
Owner—H. B. Blanding, 150 Pine, San
Francisco.
Architect—None.
Contractor—A. J. Vollmar, 2717 San
Jose Ave., Alameda.
COST, \$1780

DWELLING

(3465) NO. 1609 SIXTH, Alameda.
One-story 6-room dwelling.
Owner—O. S. Arents, 1630 Walnut St.,
Alameda.
Architect—None.
Contractor—Oakley & Holmadin, 1911
65th Ave., Oakland.
COST, \$2750

ADDITION

(3466) NO. 1323 SANTA CLARA AVE.,
Alameda. Addition.
Owner—W. S. Fleming, Premises.
Architect—None.
Day's work.
COST, \$600

PLASTERING

(3467) NO. 2325 VALLEY, Alameda.
Plastering 4 rooms.
Owner—Mr. Buere, Premises
Architect—None.
Contractor—J. J. Anderson, 1767 So-
noma Ave., Alameda.
COST, \$400

ALTERATIONS

(3468) NO. 3353 FERNSIDE BLVD.,
Alameda. Alterations
Owner—Standard Investment Co., 601
18th, Oakland.
Architect—None.
Day's work.
COST, \$700

DWELLING

(3469) E EIGHTY-SIXTH AVE 60, 104
148 and 192 S Blanch, Oakland. Four
one-story 6-room dwellings.
Owner—R. A. Pavert, 541 12th, Okd.
Architect—None.
Day's work.
COST, \$2995 each

DWELLINGS

(3470) E EIGHTY-SIXTH AVE 46, 94,
141, 189, 236, 284 and 331 N Blanche,
Oakland. Seven 1-story six-room
dwellings.
Owner—R. J. Pavert, 541 12th, Oakland.
Architect—None.
Day's work.
COST, \$2995 each

DWELLINGS

(3471) E EIGHTY-SIXTH AVE 46, 94,
and 101 S Dowling, Oakland. Three
one-story 6-room dwellings.
Owner—R. A. Pavert, 541 12th, Oakland
Architect—None.
Day's work.
COST, \$2995 each

DWELLING

(3472) E EIGHTY-SIXTH AVE 85 S
Olive, Oakland. One-story 6-room
dwelling.
Owner—R. A. Pavert, 541 12th, Oakland
Architect—None.
Day's work.
COST, \$2995

DWELLING

(3473) SE EIGHTY-SIXTH AVE AND
Dowling, Oakland. One-story six-
room dwelling.
Owner—R. A. Pavert, 541 12th, Oakland
Architect—None.
Day's work.
COST, \$2995

DWELLING

(3474) NE EIGHTY-SIXTH AVE AND
Blanch, Oakland. One-story 6-room
dwelling.
Owner—R. J. Pavert, 541 12th, Oakland
Architect—None.
Day's work.
COST, \$2995

FLATS

(3475) W LINDEN 44 S 21st, Oakland
Two-story 13-room flats.
Owner—O. Hagland, 1456 82nd Ave.
Oakland.
Architect—None.
Contractor—O. E. Bratset Co., 2129 64th
Ave., Oakland.
COST, \$5000

DWELLINGS

(3476) N FOOTHILL BLVD 100 and
180 E 55th Ave., Oakland. Two one-
story 6-room dwellings.
Owner—J. C. Pearce, 6932 Lockwood.
Oakland.
Architect—None.
Day's work.
COST, \$2500 each

DWELLING

(3477) N RUTH 200 W 55th Ave., Oak-
land. One-story 5-room dwelling.

Owner—E. E. Rollins, 357 Athol Ave., Oakland.
 Architect—None.
 Day's work. COST, \$2500

FLATS

(3478) W PERKINS 300 N Van Buren, Oakland. Two-story 16-room flats.
 Owner—Edwin C. Graff, 1926 Broadway, Oakland.
 Architect—None.
 Day's work. COST, \$13,850

DWELLING

(3479) E SOUTH COURT 400 N Pleasant Valley Ave., Oakland. One-story 6-room dwelling.
 Owner—Mrs. Lizzie Grindley, 933 Filbert, Oakland.
 Architect—None.
 Contractor—C. T. Moore, 446 38th, Okd.
 COST, \$3500

GARAGE

(3480) E TWENTY-NINTH & WEBSTER, Oakland. One-story brick garage.
 Owner—G. H. Pfund, 2812 Summit, Oakland.
 Architect—None.
 Contractor—C. Christenson & Son, 565 16th, Oakland.
 COST, \$14,000

FLATS

(3481) SE MILES AVE. 365.91 SW College Ave. SW 96, SE 146, NE 79.32, NW 146.34, Oakland. All work for two-story, sixteen-room flats.
 Owner—Mary Berande, 5665 Miles Ave., Oakland.
 Architect—None.
 Contractor—Geo. W. Nunes, 5430 Dover street, Oakland.
 Filed Nov. 13, '19. Dated Nov. 12, '19.
 Frame up\$3334
 Brown coated 3334
 Completed and accepted..... 3334
 Usual 35 days 3344
 TOTAL COST, \$13,346

Bond, Sureties, Forfeited, none. Limit, 120 days. Plans and specifications filed.

DWELLINGS

(3482) E NINTH 40, 80, 116, 143 and 174½ N Virginia, Berkeley. Five one-story 4-room dwellings.
 Owner—California Builders Co., 1534 Franklin, Oakland.
 Architect—None.
 Day's work. COST, \$3000 each

DWELLING

(3483) NE VIRGINIA AND NINTH, Berkeley. One-story 4-room dwlg. s.
 Owner—California Builders Co., 1534 Franklin, Oakland.
 Architect—None.
 Day's work. COST, \$3000

DWELLINGS

(3484) N VIRGINIA 97-6 and 64 E Nintn, Berkeley. Two one-story 4-room dwellings.
 Owner—California Builders Co., 1534 Franklin, Oakland.
 Architect—None.
 Day's work. Cost, \$3000 each

DWELLING

(3485) E MOSSWOOD ROAD 160 N Panoramic Way, Berkeley Two-story 7-room dwelling.

Owner—R. H. Baird, Le Roy and Hillgard, Berkeley.
 Architect—None.
 Contractor—Ben Pearson, 2403 Grant, Berkeley.
 COST, \$5400

DWELLING

(3486) S SONOMA 285 W Josephine, Berkeley. One-story 5-room dwlg.
 Owner—Berkeley Development Co., Shattuck and Addison, Berkeley.
 Architect—None.
 Contractor—Mason McDuffie Co., Shattuck and Addison, Berkeley.
 COST, \$3000

ALTERATIONS

(3487) NO. 1822 SIXTY-SECOND, Berkeley. Alter church into dwelling.
 Owner—C. L. Duncan, Premises.
 Architect—None.
 Contractor—Wm. Dwyer, San Anselmo.
 COST, \$2000

ALTERATIONS

(3488) NO. 2332 WOOLSEY, Berkeley Alterations.
 Owner—Anna M. Thomas, Premises.
 Architect—None.
 Day's work. COST, \$650

WAREHOUSE

(3489) NW DERBY AVE AND E-10th, Oakland. One and one-half-story steel storage warehouse.
 Owner—State of California.
 Architect—None.
 Contractor—California State Highway Commission, Flood Bldg., S. F.
 COST, \$20,000

DWELLING

(3490) S AVENAL 90 W 62nd Ave., Oakland. One-story 5-room dwlg.
 Owner—W. P. Frick, Union Bank of Savings Bldg., Oakland
 Architect—None.
 Contractor—A. Alder, 2487 62nd Ave., Oakland.
 COST, \$2500

GARAGE

(3491) CLAREMONT HOTEL, Oakland. One-story concrete garage.
 Owner—Hotel Claremont.
 Architect—None.
 Contractor—J. Dawson, 2121 Durant Ave., Berkeley.
 COST, \$3000

DWELLING

(3492) SW E-TWENTY-EIGHTH & Vallecito Place, Oakland. One-story 5-room dwelling.
 Owner—R. H. Cross.
 Architect—None.
 Contractor—C. E. Burks, 4152 Randolph Ave., Oakland.
 COST, \$2450

FLATS

(3493) W FOURTH AVE 80 N E-16th, Oakland. Two-story 7-room flats.
 Owner—Ed. J. Beucher, 457 Van Dyke Ave., Oakland.
 Architect—None.
 Day's work. COST, \$3700

DWELLING

(3494) S HARVEY AVE 135 E 55th Ave., Oakland. One-story 5-room dwelling.
 Owner—M. Page, 2040 55th Ave., Oakland.
 Architect—None.

Contractor—Carlson & Hendrickson 1515 57th Ave., Oakland.
 COST, \$300

ALTERATIONS

(3495) NOS. 487-489 NINTH, Oakland Alter store.
 Owner—Franklin Market, San Francisco.
 Architect—None.
 Day's work. COST, \$390

ALTERATIONS

(3496) NO. 1541 SAN PABLO AVE., Oakland. Alterations.
 Owner—Contando Bros, Premises.
 Architect—None.
 Contractor—T. J. Austy, 2766 Grove Oakland.
 COST, \$800

ADDITION

(3497) NO. 6251 HAYES, Oakland Addition.
 Owner—R. A. Russell, 1233 8th Ave., Oakland.
 Architect—None.
 Day's work. COST, \$1000

ALTERATIONS

(3498) NO. 533 KEMPTON AVE., Oakland. Alterations.
 Owner—T. H. Talbot, Premises.
 Architect—None.
 Day's work. COST, \$800

TANK FRAME

(3499) E MYRTLE bet. 7th and 8th Oakland. Tank frame.
 Owner—Market Laundry.
 Architect—None.
 Contractor—Jas. H. Pedgrift, 565 16th Oakland.
 COST, \$400

DWELLING

(3500) W AUSEON AVE 25 S Dowling, Oakland. One-story 3-room dwlg.
 Owner—W. S. Newmy, 2275 Auseon Ave., Oakland.
 Architect—None.
 Day's work. COST, \$1000

ALTERATIONS

(3501) NO. 522 SEVENTH, Oakland Alterations.
 Owner—Fergenber Bros., Premises.
 Architect—None.
 Day's work. COST, \$400

SCHOOL

(3502) WARD AND CALIFORNIA, Berkeley. Temporary school.
 Owner—Board of Education, 2133 Allston Way, Berkeley.
 Architect—None.
 Day's work. COST, \$950

SHOP

(3503) NO. 3501 CHESTNUT, Oakland. One-story shop.
 Owner—Yager Sheet Metal Works, Premises.
 Architect—None.
 Day's work. COST, \$2000

GARAGE

(3504) W FIFTY-FIRST AVE 100 S E-14th, Oakland. Garage.
 Owner—E. Lapp.
 Architect—None.
 Contractor—Manuel Linia, 5108 E-14th, Oakland.
 COST, \$400

GARAGE

(3505) NO. 261 McADAM, Oakland. One-story concrete garage.

wner—Gabriel Alonzi. Premises.
rchitect—None.
ay's work. COST, \$100

DITION
506) E NINETY-FOURTH AVE 350
S "A," Oakland. Addition.
wner—E. B. and A. L. Stone, 804
Spreckels Bldg., San Francisco.
rchitect—None.
ay's work. COST, \$500

ALTERATIONS
507) NO. 485 SIXTH, Oakland. Al-
terations and repairs.
wner—Goodwill Industries, 1980 Mis-
sion, San Francisco.
rchitect—None.
ay's work. COST, \$735

ORAGE
508) NO. 711 WALKER AVE., Oak-
land. Garage.
wner—Thomas M. Gardner, 422 E-
14th, Oakland.
rchitect—None.
ay's work. COST, \$400

DITION
509) NO. 5521 FOOTHILL BLVD.,
Oakland. Addition.
wner—Pollard & Stout, Premises.
rchitect—None.
ntractor—F. E. Stanley, 1507 50th
Ave., Oakland. COST, \$1200

COMPLETION NOTICES.

Alameda County.

v. 12, 1919—LOT 161, Map Pied-
mont by the Lake, Oakland. Alice
E. Harder and Lillians M. Harder
to Harry Schwalm.....Nov. 6, 1919
v. 12, 1919—SE COR MARIN
Ave. and Santa Barbara Road, Okd
E. H. Dunshee to Herbert F.
v. 10, 1919—LOT 11 Blair Park Tct.,
Piedmont. William MacDougall to
W. J. David.....Oct. 31, 1919
v. 10, 1919—LOT 9 BLK 2, 4th Ave
Heights Extension, Okd. Jeff Van
Jundy to whom it may concern.....
v. 8, 1919—NE SAN JOSE AVE &
Mound, Ala. Alexander Espagnolle
to Harry C Knight.....Oct. 2, 1919

BUILDING CONTRACTS.

Sacramento County.

AREHOUSE
NETENTH AND "C" STS., Sacra-
mento. Warehouse.
wner—Northern California Milk Pro-
ducers Ass'n., 214 California Fruit
Bldg., Sacramento.
rchitect—None.
ntractor—G. W. Kopp, 1514 15th St.,
Sacramento. COST, \$2000

OP, ETC.
D. 1731 TWENTY-EIGHTH ST., Sacra-
mento. One-story frame shop and
warehouse.
wner—Pacific Gas & Electric Co., 1100
"K" St., Sacramento.
rchitect—None.
ay's work. COST, \$1865

FRAME RESIDENCE
D. 311 TWENTY-NINTH ST., Sacra-
mento. Five-room frame residence.
wner—Joe Fuskli, 519 1/4 "K" St., Sacra-
mento.
rchitect—None.

Contractor—O. W. Harrison, North
Sacramento. COST, \$7900

FRAME RESIDENCE
NO. 4224 SECOND AVE., Sacramento.
One-story 4-room frame residence.
Owner—E. E. Ware, 4040 2nd Ave.,
Sacramento.
rchitect—None.
Day's work. COST, \$2000

ALTERATIONS
NO. 809 "J" St., Sacramento. Remodel
interior of restaurant.
Owner—D. W. Carmichael, 1005 8th St.,
Sacramento.
rchitect—None.
Contractor—W. P. Cippi, 314 21st St.,
Sacramento. COST, \$1000

RESIDENCE, ETC.
NO. 620 TWENTY-EIGHTH ST., Sacra-
mento. One-story 5-room frame
residence and garage.
Owner—L. G. Barton, Regis Hotel, Sacra-
mento.
rchitect—None.
Day's work. COST, \$3300

BUILDING CONTRACTS.

San Joaquin County.

DWELLINGS
SUNSET ADDITION, Stockton. Four
frame dwellings and garages.
Owner—C. Olsen, 5 Mile House, Lower
Sacramento Road, Sacramento.
rchitect—None.
Day's work. COST, \$2300 each

DWELLINGS
JACKSON ADDITION, Stockton. Three
frame dwellings and garages.
Owner—C. Olsen, 5 Mile House, Lower
Sacramento Road, Sacramento.
rchitect—None.
Day's work. COST, \$2300 each.

APARTMENTS
LINCOLN AND TAYLOR STS., Stock-
ton. Frame apartments and flats.
Owner—Edward Cassant, Stockton.
rchitect—None.
Day's work. COST, \$3000

BUILDING
N 1/2 OF LOT 5 BLK 4, Stockton Acres
Subdivision No. 2, Stockton. Build-
ing.
Owner—H. C. Mann, Stockton.
rchitect—None.
Contractor—T. E. Williams, 1055 N-
Pilgrim St., Stockton.
Filed Nov. 7, '19. Dated Nov. 3, '19.
Limit, 60 days. COST, \$3100

BUILDING CONTRACTS.

Fresno County.

FRAME DWELLING
LOTS 1, 2, AND 3 BLK 11, Paige Tct.,
Fresno. Frame dwelling and garage
Owner—Geo. Ball, 1410 Van Ness St.,
Sacramento.
rchitect—None.
Day's work. COST, \$2200

FRAME DWELLING
LOTS 1 AND 2 BLK 4, Palm Villa Tct.,
Fresno. Frame dwelling and garage
Owner—Fresno Home Bldrs., 1231 "I"
St., Fresno.
rchitect—None.

Contractor—F. J. Stone, 304 Mason
Bldg., Fresno. COST, \$5000

FRAME DWELLING
LOTS 19 & 20 BLK 1, Stratford Place,
Fresno. Frame dwelling and garage
Owner—Geo. Ball, 1410 Van Ness Ave.,
Fresno.
rchitect—None.
Contractor—A. D. Wilkins, 2294 Ivy
St., Fresno. COST, \$4500

FRAME DWELLING
LOT 4 BLK 5, Hazelwood, Fresno.
Frame dwelling and garage.
Owner—O. D. Atkins, 3338 Lowe St.,
Fresno.
rchitect—None.
Day's work. COST, \$3000

FRAME DWELLING
LOTS 1 AND 2 BLK 5, Dean Addition,
Fresno. Frame dwelling.
Owner—A. E. Vose, Fresno.
rchitect—None.
Day's work. COST, \$1500

FRAME DWELLING
LOTS 21 AND 22 BLK 33, Fresno.
Frame dwelling.
Owner—Geo. Scheldt, Fresno.
rchitect—None.
Day's work. COST, \$1200

FRAME DWELLING
LOTS 9 AND 10 BLK 27, Fresno. Frame
dwelling.
Owner—P. G. Mastro, Fresno.
rchitect—None.
Day's work. COST, \$2000

FRAME DWELLING
LOTS 13 AND 14 BLK 5, Van Ness
Heights, Fresno. Frame dwelling.
Owner—J. H. Walker, Fresno.
rchitect—None.
Day's work. COST, \$4000

FRAME DWELLING
LOTS 21 AND 22 BLK —, Matthan
Addition, Fresno. Frame dwelling
and garage.
Owner—J. D. Good, Fresno.
rchitect—None.
Day's work. COST, \$2500

FRAME DWELLING
LOTS 24, 25 AND 26 BLK 14, Fresno.
Frame dwelling.
Owner—Louis Chirco, Fresno.
rchitect—None.
Day's work. COST, \$3000

COMPLETION NOTICES

Fresno County.

Recorded. Accepted
Nov. 7, 1919—LOTS 31 AND 32 BLK
231, Fresno. Jacob Kunstman to
whom it may concern...Nov. 6, 1919
Nov. 7, 1919—BURLINGAME VILLA
Park W 4337 Lot 4 E 1/2 Lot 5.
Fresno. Wm Lambert to whom it
may concern

BUILDING CONTRACTS.

Santa Clara County.

COTTAGES
S FIFTEENTH ST. near Williams, San
Jose. Three 5-room cottages.
Owner—F. B. Gilger, 42 E-Santa Clara
St., San Jose.
rchitect—Chas. McKenzie, Bank of

San Jose Bldg., San Jose.
COST, \$3500 each

COTTAGE

SE FIFTYFTH AND WILLIAM STS.

San Jose. Six-room cottage.

Owner—A. K. Burkett, 161 N-16th St.

San Jose.

Architect—None.

Day's work. COST, \$3250

ARCHITECTS SELECTED FOR LARGE OFFICE BUILDING.

SAN FRANCISCO—At a meeting of the Building Committee of the Commercial Union Assurance and the California Fire Insurance Company held recently George W. Kelham and Kenneth MacDonald Jr., were selected as architects for their new office building to be erected on the property of the old Nevada Block at Pine and Montgomery streets.

It is not unlikely that a building 15 stories in height will be erected, covering the entire lot.

P. J. Walker Company, Menadnock Bldg., will have charge of construction, which will start as soon as plans are completed. It will cost approximately \$1,000,000.

Architect C. E. Gottschalk, Phelan Bldg., has awarded a contract to J. E. Scully, Flood Bldg., for the erection of a two-story and three-story Class "A" bank and office building to be erected for the First Federal Trust Company and the First National Bank on the west side of Montgomery street between Post and Sutter streets, adjoining the First National Bank Building. Foundations for the proposed structure have been designed to allow the addition of ten stories at a future time. The work will cost \$300,000 or more. Figures are now being taken for wrecking the present building.

Architects Louis M. Upton and M. Latham, 345 Montgomery street, has awarded a contract to The Oakland Paving Company of Oakland for grading the site for a two-story and basement frame and plaster residence to be erected for G. A. Mattern near the Hotel Claremont, Berkeley. The building will contain ten rooms and four baths and will cost about \$35,000. Figures for the balance of the work will be taken shortly.

Architect Benj. G. McDougall, Sheldon Bldg., is preparing working drawings for a seven or eight-story Class "A" apartment house to be erected for the Kittle Estate on Steiner street near Pacific avenue. The building will contain two apartments on each floor and will cost \$200,000 or more.

Architect Wm. A. Newsom, Bank of Italy Bldg., is preparing plans for extensive alterations to be made on the Stockton Branch of the Bank of Italy. The work will consist of altering adjoining stores into banking quarters.

Architects Ferris & Malsbury, Reno, Nevada, are preparing plans for a six-story and basement brick and terra cotta apartment house to be erected in Reno for the Apartment Investment Company. The building will be designed on the lines of Stanford Court Apartments in San Francisco

and will contain eighty-four two-room and seventeen three-room apartments. It will cover a ground area of 90 by 210 feet and will cost in the neighborhood of \$150,000.

Architects O'Brien Bros., 240 Montgomery street, will shortly take figures for extensive alterations and additions to be made on the St. George Hotel, in Santa Cruz. Re-arranging the present interior, installation of baths, refrigerating plant, oil burning system, etc., are among the improvements planned. The work will cost about \$20,000.

Engineers Leland & Haley, Holbrook Bldg., have been commissioned by the Vallejo Board of Education to prepare plans and specifications for heating plans in the school buildings at Vallejo.

From plans prepared by Architect Henry H. Meyers, Kohl Bldg., the Alameda County Supervisors have awarded a contract to F. W. Maurice of Oakland for repairs and alterations to the County Hospital building. The work will cost \$17,690.

FOLLOW ARCHITECTS...0... SUPERVISOR POWERS EXTENDS THANKS.

Charlie Powers, now Supervisor Powers, dropped into the "Builder" office Monday and expressed his thanks for the support given him through the "Builder" columns in the recent campaign.

Charlie wears a smile little less than two feet long and declares he is now ready to tackle the job of handling the affairs of the San Francisco public.

Powers makes known the fact that looking for votes is like seeking a contract to erect a modern ice plant in the Arctic Regions.

To his many friends in the building game he wishes to express his heartiest thanks for the assistance rendered him in his recent fight for the office of Supervisor.

Architect S. Helman, 57 Post St., has awarded a contract to Monson Bros., 1907 Bryant street, for a two-story and basement reinforced concrete Class "C" store building to be erected on the south side of Sutter street east of Mason for Wm. F. Dunn. The building will cover an area of 60 by 127 feet and will cost \$65,000.

Architect Heiman is preparing plans for alterations to the store of the Cosgrave Cloak & Suit Company at 352 Post street. The work will consist of installing new fronts, altering for office quarters, etc., and is estimated to cost \$5,000.

Architect C. O. Clausen, Hearst Bldg., is preparing plans for a one-story brick auto repair shop to be erected for Miss Pergio on the south side of Post street east of Larkin. The building will be 25 by 125 feet in size and will cost \$10,000.

Architect C. S. McNally, 23 Woodland avenue, has awarded a contract to the Schultz Construction Co., 46 Kearny street, for alterations and additions for two flats on Spruce street south of Clay for H. Hamburger. The work

will cost in the neighborhood of \$10,000.

H. C. Keenan, 300 Webster street, will shortly commence the erection of a two-story and basement frame flat building for Marie J. Treacy on the east side of Masonic avenue south of Fulton street. The building will contain two modern flats and will cost \$11,315.

Architect Paul A. Needham, 2108 Shattuck Ave., Berkeley, is taking figures for a one-story reinforced concrete and steel tire factory to be erected in the vicinity of East Twelfth street and Forty-eighth avenue for the Coast Tire & Rubber Company. The structure will cover a ground area of 360 by 72 feet, and will cost about \$263,000. This will be the first unit of the proposed plant.

Designer and Manager of Construction George Wagner, 251 Kearny St., is completing plans for a group of buildings to be erected in Oakland for the Federal Wool Manufacturing Company of which Edwin P. Hulme is President. The plant will consist of six reinforced concrete buildings ranging from one to five stories in height and when completed will represent an expenditure of \$750,000. The contract for the reinforcing steel has been awarded to the Truscon Steel Company.

Architect S. Helman, 57 Post Street, is preparing plans for extensive alterations to be made on the brick building at the northwest corner of Arguello Boulevard and Geary street. The structure will be altered into a modern autosales building. The carpentry contract has been let to Theo. S. Hoin, 1739 Washington street. The work will cost between \$30,000 and \$40,000.

Architect Washington J. Miller, 417 Market street, is revising plans and will take new bids for the erection of the first unit of a jam and jelly plant to be erected in Oakland for A. W. Palfreyman representing H. Jones & Co., Ltd., of Australia. Three reinforced concrete buildings costing \$225,000 will represent the first unit. Administration Building, 50 by 100; Welfare Building, 50 by 250, and Plant Building, 250 by 450 feet.

Architect William Knowles, Hearst Bldg., has awarded the following contracts in connection with the three-story reinforced concrete garage and warehouse building to be erected for the Pacific Gas & Electric Company at Fifth and Howard streets. The contract for concrete work has been awarded to The Clinton Construction Co., 140 Townsend Street, at approximately \$100,000 and the reinforcing steel to Edward L. Soule with offices in the Riato Building. The structure will cover a ground area of 150 by 155 feet.

Architect W. H. Ratcliff Jr., First National Bank Bldg., Berkeley, is taking figures for a two-story and basement frame residence and garage to be erected for Arthur G. Wood on Warring street near Parker in Berkeley. The building will contain seven rooms and a large sleeping porch and is estimated to cost \$10,000.

THE IRISHMAN AND THE MULE.

General Phil Sheridan was at one time asked at what little incident did he laugh the most.

"Well," he said, "I do not know, but I always laugh when I think of the Irishman and the army mule. I was riding down the line one day when I saw an Irishman mounted on a mule which was kicking its legs rather freely. The mule finally got its hoof caught in the stirrup, when in the excitement, the Irishman remarked: 'Well, begorra, if you're goin' to git on I'll git off.'"

JUST AS HE THOUGHT.

A small boy was reciting in a geography class. The teacher was trying to teach him the points of the compass. She explained: "On your right is the south, your left the north, and in front of you is the east. Now, what is behind you?"

The boy studied for a moment, then puckered up his face and bawled: "I knew it. I told Ma you'd see that patch in my pants."

A SLIGHT TO HIS MOTHER.

A little boy was asked by his mother to go to the grocer's for a package of Uneeda Biscuit.

The boy thought a moment. "Suppose I ask for crackers?" he suggested.

"No," said the mother; "tell the grocer 'Uneeda Biscuit.'"

The boy hesitated, finally went, and when he came home it was with a long face.

"Well, mamma," he said, "I did as you told me to, but it seemed like an insult to you."

"Why, dear," asked the mother, "what do you mean?"

"Well, I hated to tell them I needed a biscuit!"

A GOOD MAJORITY.

A well-known surgeon was imparting some clinical instructions to half a dozen students. Pausing at the bedside of a doubtful case he said: "Now,

gentlemen, do you think this is or is not a case for operation?"

One by one each student made his diagnosis, and all of them answered in the negative.

"Well, gentlemen, you are all wrong," said the wielder of the scalpel, "and I shall operate tomorrow."

"No, you won't" said the patient, as he rose in his bed; "six to one is a good majority; gimme my clothes."

MISSED NOTHING BUT HIS WATCH

An old darkey was taken ill, says the New York Times, and called in a physician of his own race. After a time, as there were no signs of improvement, he asked for a white doctor.

Soon after arriving, Doctor — felt the old man's pulse, and then examined his tongue.

"Did your other doctor take your temperature?" he asked.

"I don't know, boss," replied the sick negro. "I hain't missed anything but my watch as yit."

EDISON IN THE PETRIFIED CAVE.

Thomas A. Edison, with a party of friends, was going through one of the great Kentucky caves, and the guide was extremely anxious to explain everything to his distinguished guest.

When the party reached the "petrified room" the guide said. "That rock that you see there hanging in the air started to fall, but it never reached the ground and remained petrified suspended in the air."

"Yes, but——" began Mr. Edison.

"And you see that bird over there," continued the guide; "it flew in here one day and stopped right there in mid-air petrified."

"But, my friend," interrupted the great inventor, "the bird and the stone would have to fall to the ground by the very law of gravitation."

For a moment the guide was nonplused. Quickly rallying, however, he said to Mr. Edison:

"But you don't understand, Mr. Edison; in this cave the law of gravitation is petrified, too."

HIS PRICE.

A wealthy New York syndicate decided not long ago to try to purchase the New York Herald. So this cablegram was dispatched to James Gordon Bennett in Paris:

"What is your lowest selling price for Herald?"

Promptly came the answer: "Daily, three cents; Sunday, five cents. Bennett."

HE WAS NERVOUS, ALL RIGHT.

"A traveling man stopped at an Indiana hotel," says the Indianapolis News. "The proprietor told him he had not a room in the house. The man protested. He must have a room. Finally the proprietor told him there was a room, a little room separated by a thin partition from a nervous man, a man who had lived in the house for ten years.

"'He is so nervous,' said the landlord, 'I don't dare put any one in that room. The least noise might give him a nervous spell that would endanger his life.'

"'Oh, give me a room,' said the traveler. 'I'll be so quiet he'll not know I'm there.'

"The room was given to the traveler. He slipped in noiselessly and began to disrobe. He took off one article of clothing after another as quietly as a burglar. At last he came to his shoes. He unlaced a shoe and then, manlike, dropped it.

"The shoe fell to the floor with a great noise. The offending traveler, horrified at what he had done, waited to hear from the nervous man. Not a sound. He took off the second shoe and placed it noiselessly upon the floor; then in absolute silence finished undressing and crawled between the sheets.

"Half an hour went by. He had dropped into a doze when there came a tremendous knocking on the partition.

"The traveler sat up in bed trembling and dismayed. 'Wh-wha-what's the matter?' he asked.

"Then came the voice of the nervous man:

"'Hang you! Drop that other shoe, will you?'"

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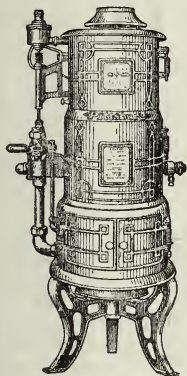
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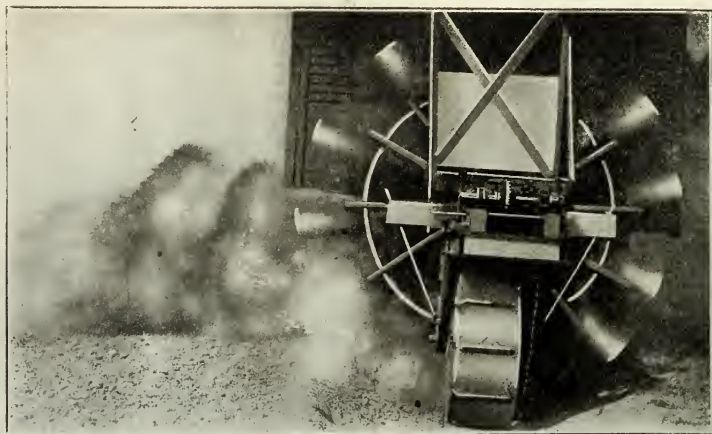
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
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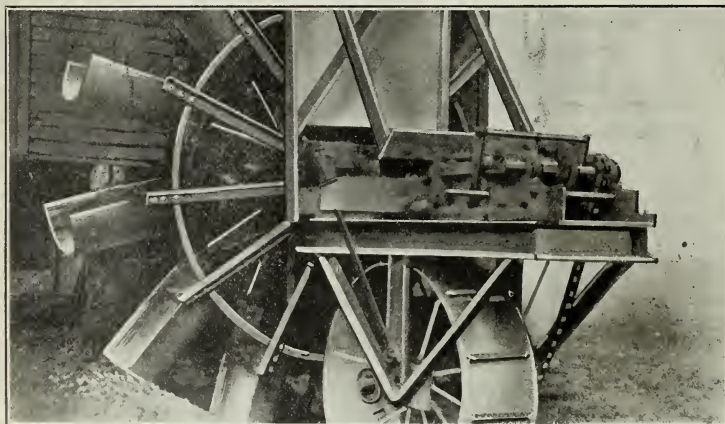
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J. P. FARRELL.....Exchange Editor

American Association of Engineers

NEWS FROM NATIONAL HEAD-QUARTERS.

The Engineers' and Architects' Association of Southern California, a society of 300 engineers and architects which has been in existence for over fifty-years, voted on October 10th to amalgamate with the American Association of Engineers. The new organization will be a combination of the E. and A. Association and the Los Angeles Chapter of the American Association of Engineers, and will be known as the "Engineers' and Architects' Association—Los Angeles Chapter of the American Association of Engineers." The officers of the Engineers' and Architects' Association are: H. A. Osborne, president; J. J. Kus, first vice-president; H. L. Smith, second vice-president. The directors are A. B. Benton, G. B. Bergom, A. H. Koebig, and George P. Binson. Mr. Robinson is also secretary of the organization.

Dr. F. H. Newell, president of the American Association of Engineers, delivered an address to the City Club of Kansas City at a noon-day luncheon on November 14th. In the evening of the same day he addressed the Engineers' Club of Kansas City at a dinner at the University Club.

The American Association of Engineers has recently organized chapters in the following cities: Miami, Arizona; Terre Haute, Indiana; Phoenix, Arizona; San Angelo, Texas; Tulsa, Oklahoma; Joliet, Illinois; Butte, Montana; University of Minnesota; University of Arizona; University of Michigan; Davenport, Iowa; Rock Island, Illinois; Moline, Illinois; Morgantown, West Virginia; Pocatello, Idaho; El Reno, Oklahoma; Arkansas City, Arkansas; Akron, Ohio; Springfield, Illinois; New Orleans, Louisiana; and Newell, South Dakota.

The establishment of a club at the named city is of particular interest because of the fact that it is named after Dr. F. H. Newell, now president of the American Association of Engineers, while he was a director of the United States Reclamation Service, well is north and west of the Black Hills and at the point of one of the former operations of the Reclamation Service.

TEN THOUSAND MEMBERS IN THIRTEEN DAYS.

The 1919 Membership Drive, which will be held by the American Association

of Engineers during the first two weeks in December, has as its slogan "10,000 members in thirteen days." All of the ninety clubs and chapters of the Association are making final arrangements for the drive. Never in the history of engineering organizations has anyone proposed an increase in membership within any short period of anywhere near 10,000.

The organization which is being perfected by the American Association to carry on the drive has the largest sales organization that has ever been used to sell an engineering commodity. There will be nine thousand salesmen, ninety branch sales offices and five district sales offices. If every salesman makes one sale that will be nine thousand and if every branch office turns in one hundred sales that will be nine thousand more.

The referee in the drive is M. Isham Randolph, the eminent consulting engineer of Chicago who, in addition to constructing the Chicago Drainage Canal, has played a large part in the engineering development in the west.

NATIONAL RIVERS AND HARBORS CONGRESS — FIFTEENTH CONVENTION.

Official Call.

Members of the organization, duly appointed delegates, and all others interested, are hereby notified that the Fifteenth Convention of the National Rivers and Harbors Congress will be held on Tuesday, Wednesday and Thursday, the 9th, 10th and 11th of December, 1919, in the Assembly room of the New Willard Hotel, Washington, D. C.

Governors of states and territories, mayors of cities, towns and villages and presidents of commercial, industrial, agricultural and waterway organizations are hereby given authority to appoint and accredit delegates. They are earnestly requested to give the matter immediate attention and to supply the secretary, as soon as possible, with the names and addresses of the delegates appointed by them.

The theme of our Fourteenth Convention, in February last, was the whole, broad subject of transportation, by road, rail, water and air. This convention is called, not to discuss general principles, but to decide upon the specific provisions—and the exact language—to be included in the legislation needed to protect and develop our water transportation and to secure

co-operation between railways and waterways. We will have before us for consideration not only the work of the sub-committee of our Special Committee on Transportation Legislation, but the railroad bills prepared by the committees headed by Senator Cummins and Representative Esch, respectively.

An extraordinary opportunity is now presented to take a long step forward in securing the results for which we have been working so earnestly and so long. The committees of Congress which have charge of the legislation for the control of railways are ready to include therein proper provisions for the benefit of waterways. It is up to us to decide what legislation we want and then use every legitimate effort to secure its enactment. Except at the banquet, there will be few formal addresses, practically the whole time being given to discussions of, and decisions regarding, the questions under consideration, which questions are of vital importance to every community and practically every citizen of the United States.

Attest:

JOS. E. RANSEDELL,
President.
S. A. THOMPSON,
Secretary.

Following the convention held in February last, the National Rivers and Harbors Congress invited the commercial organizations of the country to join in forming a Special Committee on Transportation Legislation. The work of this committee, which, as finally made up, consisted of 110 members representing 33 states, was conducted mainly by correspondence. In September a sub-committee of seventeen members met in Washington and made the first draft of the proposed legislation in the interest of water transportation. The result of their work has been introduced into the Senate as an amendment to the Cummins Bill (S. 2906).

The first section of the amendment transfers to the Shipping Board all the rights in reference to canals now exercised by the Director General of Railroads under the Federal Control Act, but authorizes the relinquishment of control over the canals of New York upon request of the Governor. It also directs the Shipping Board to carry out all contracts made by the Railroad Administration for the building of boats and barges and to continue for five years the operation of

the Government transportation lines now established upon our inland waterways and "such additional lines as it may find desirable to establish."

The second section prevents railroads from reducing rates to meet water competition except by permission of the Interstate Commerce Commission, and when rates are so reduced, prohibits the maintenance of any higher rates to intermediate points.

Existing law gives the Commission authority to order connection made between the tracks of a rail carrier and the docks of a water carrier and to establish through routes and joint (or proportion) rates between and over such rail and water lines. Section 3 specifically directs the Commission to do these things and also authorizes the establishment of maximum, or minimum, or maximum and minimum joint (or proportional) rates.

Section 4 authorizes the Commission, upon application, to establish through routes and joint, or proportional, rates between connecting lines of water carriers. Section 5 provides that the absorption by a water carrier of the switching, terminal, or other charge of a rail carrier, shall not subject the water carrier to the provisions of the Interstate Commerce Act. Section 6 provides that the Commission shall have no jurisdiction over port-to-port rates by water, except in so far as may be necessary in effecting interchange of traffic.

Section 7 gives to the Department of Commerce a long list of duties "with the object of promoting, encouraging and developing water transportation facilities in connection with the commerce of the United States." Among these are the investigation of boats and terminals; co-operation with communities in the preparation of plans for terminals and in securing joint and proportional rates by water and rail; and compiling and publishing of statistics and information concerning water transportation.

The National Rivers and Harbors Congress (Washington, D. C.) will be glad to mail copies of the amendment on request and will welcome comments and suggestions from any one interested. The proposed legislation is to be put into final shape at the Fifteenth Annual Convention of the Congress, which will be held in Washington on December 9, 10, and 11.

66th Congress, 1st Session.

S. 2906.

IN THE SENATE OF THE UNITED STATES.

September 26, 1919.

Referred to the Committee on Interstate Commerce and ordered to be printed.

Amendment.

Intended to be proposed by Mr. Ransdell to the bill (S. 2906) further to regulate commerce among the states and with foreign nations and to amend an Act entitled "An Act to regulate commerce," approved February 4, 1887, as amended, viz: Strike out all of lines 18 to 25, inclusive, on page 2, in section 1, and lines 1 and 2 on page 3 of the pending bill, and insert in lieu thereof the following: The rights, powers, interests, and

property of the United States acquired by the President under section 6 of the Federal Control Act, approved March 21, 1918, and herein repealed, authorizing expenditures for the utilization and operation of canals, or for the purchase, construction, or utilization and operation of boats, barges, tugs, and other transportation facilities on the inland, canal, and coastwise waterways, which shall include the boats constructed or authorized to be constructed, for the navigation of the Mississippi River above St. Louis, are hereby transferred to and vested in the United States Shipping Board, and shall be dealt with in accordance with the rights and interests so acquired, and under the provisions of the Act known as the "Shipping Act of 1916." The said Shipping Board shall assume and carry out all contracts relating to inland waterway transportation entered into by the President through the United States Railroad Administration, or other agency, and the said board is further authorized and directed to continue the operation of the transportation lines upon the inland waterways of the United States heretofore or which may hereafter be established, and such additional transportation lines as it may find desirable to establish, and to utilize therefor all such boats and facilities as may be transferred to said board, or which it may hereafter acquire, for a minimum period of five years after the approval of this Act: **Provided**, The board at any time may relinquish the utilization, operation, or control of the canals of the State of New York upon the application of the governor of New York to that effect. The said Shipping Board is hereby authorized, in the execution of the powers herein conferred, to use any available moneys heretofore or hereafter appropriated for its operations; and all moneys heretofore allotted by the United States Railroad Administration, or other Government agency, for the construction and operation of any boat lines shall be transferred to the said Shipping Board. The said Shipping Board is further authorized to sell any boats unsuitable for the service herein authorized, and to construct or acquire any additional boats which it may deem necessary for the development and promotion of water transportation upon any of the inland waterways of the United States.

Where there is an existing line of water transportation, or one is proposed to be immediately established, it shall be unlawful for any railroad which operates between points competitive to said water line to reduce its existing rates with a view to meeting the difference between water rates and the rail rates, or of equalizing the same as between competitive points, unless after full hearing the Interstate Commerce Commission shall find that such reduction of rail rates is justified in the public interest. In determining the question of public interest the commission shall consider the rates charged by the water line as presumptively reasonable, and shall also consider the advisability or necessity of maintaining increased facilities of transportation: **And provided further**, That the commission shall not permit any railroad to reduce its ex-

isting rates as between points competitive with the water line or lines unless such railroad maintain such reduced rates as the maximum at all intermediate points on its lines between the points of origin and destination.

Paragraphs (a), (b), and (c) of section 6 of the Act to regulate commerce, approved August 24, 1912, are amended to read as follows:

"(c) The commission shall cause to be established physical connection between the lines of the rail carrier and the dock of the water carrier at which interchange of passengers or property is to be made by directing the rail carrier to make suitable connection between its line and the dock of the water carrier. Before making this order the commission shall secure satisfactory evidence as to the organization and responsibility of the water carrier. The commission shall have full authority to determine the terms and conditions upon which these connecting tracks, when constructed, shall be operated, and it may, either in the construction or the operation of such tracks, determine what sum shall be paid to or by either carrier. The provisions of this paragraph shall apply to cases where the dock or water terminal is owned by the municipality or other public agency or by any party other than the water carrier involved.

"(b) Upon application of any responsible water carrier the commission shall establish through routes and joint rates, or maximum or minimum or maximum and minimum joint rates between and over such rail and water lines, and determine all of the terms and conditions under which such lines shall be operated in the handling of the traffic embraced. In the establishment of joint rates the commission shall make such reductions from the local rates as may be consistent with through rates and be just to all the carriers involved.

"(c) Upon application of any responsible water carrier the commission shall establish proportional rates, or maximum or minimum, or maximum and minimum proportional rates over such rail and water lines to and from the ports to which traffic is brought or from which it is taken by either carrier. In establishing such proportional rates on any railroad the commission shall not fix a rate upon any railroad or railroads which shall be greater than the proportional rate received by such railroad upon any through traffic carried entirely by rail between the same points of origin and destination."

All through routes and joint proportional rates and the rules governing same, as established by the United States Railroad Administration between rail carriers and carriers on the inland waterways, shall hereafter be considered prima facie reasonable rates and routes, and may not be withdrawn or advanced, nor the differentials between such through rates and the competing all-rail rates be changed, without prior hearing and order by the Interstate Commerce Commission. In any such proceeding the burden of proof shall be upon the rail carrier or carriers to show that the existence of such rates and routes and differentials is confiscatory.

If one or more connecting lines of

Continued on page 23

ADVANCE NEWS

Official Proposals, Etc.

BUILDING.

APARTMENT HOUSES

Contract Awarded. Sub-Figures Being Taken.

APARTMENTS Cost, \$20,000
MODESTO, Stanislaus Co., Cal. Sixth and "H" Streets.

Three-story and basement brick and reinforced concrete apartment house and stores (10 apts. 2 and 3 rooms and 2 stores).

Owner—Mr. Bishop.

Architect & Contractor—Wallace H. Hubbert, 919 "T" St., Modesto.

Contract Awarded.

Addition Cost, \$—
SAN FRANCISCO. NW Ellis & Jones Streets.

One-story brick addition to five-story brick apartments.

Owner—Dr. L. C. Mendell, 415 Jones St., San Francisco.

Architect—Miss Grace Jewett, Room 814, 57 Post St., San Francisco.

Contractor—A. Knowles Call Bldg., San Francisco.

Plans to be Prepared.

APARTMENTS, ETC. Cost, \$—
BERKELEY, Alameda Co., Cal. Shattuck Avenue and Allison Way, adj. Hotel Shattuck.

Eight-story reinforced concrete hotel apartments, 50x75 and 6 one-story five-room bungalows, also extensive alterations to the hotel.

Owner—W. W. Whitecotton, Lankershim Hotel, Los Angeles.

R. O. Waldman is Manager of the Hotel Shattuck.

Architect—Not Selected.

An architect will be selected after the first of the year.

Plans Being Figured.

APARTMENTS Cost, \$16,000
SAUSALITO, Marin Co., Cal. Water Street.

Frame bungalow court, 8 one-story 2-room and sun porch apartments built around a court.

Owner—Withheld.

Architects—O'Brien Bros., 240 Montgomery St., San Francisco.

Figures are being taken for a general contract.

BANKS

PLACERVILLE, El Dorado Co., Cal.—The Mierson Banking Company has purchased the property on Main street formerly occupied by the Oasis Saloon and plan the erection of a modern bank building. It is expected to have construction started in the Spring.

Plans Being Figured.

ALTERATIONS Cost, \$—
SAN FRANCISCO. S Market bet. 3rd and 4th Streets.

Alterations is extension to banking quarters (bronze, marble work, new elevator, etc.)

Owner—Humboldt Bank.

Architect—Smith O'Brien, Bankers' Investment Bldg., San Francisco.

CHICO, Butte Co., Cal.—A. H. Smith, President of the First National Bank of Chico, announces that his bank has purchased the property at the corner of Third and Main streets and plans the erection of a modern bank building to cost \$100,000. The site covers an area of 44 by 71 feet.

Segregated Figures Being Taken.

BANK & OFFICES Cost, \$35,000
LOS BANOS, Merced Co., Cal.

Two-story reinforced concrete bank and office building.

Owner—First National Bank of Los Banos.

Architect—Frank V. Mayo, Stockton.

Mr. Mayo will be in San Francisco and may be seen at the office of the Detroit Steel Products Co., 68 Post St.

BONDS

MERCED, Merced Co., Cal.—Bids will be received by P. J. Thornton, County Clerk, up to December 8th, 10 A. M., for the purchase of bonds in the sum of \$20,000 with which to finance construction of a new school building for the West Side Union High School District.

YUMA, Ariz.—The \$1,200,000 highway bond issue for Yuma County carried at the special election. The county will also have \$150,000 available from federal aid funds for road construction. One of the important roads to be built will extend from Yuma to the Pima county line connecting with Pima county's proposed road from Tucson via Ajo to Yuma county.

JEROME, Ariz.—The \$175,000 road bonds of Santa Cruz County were sold to Powell, Gerrard & Co. of Chicago, at par.

SAN DIEGO, San Diego Co., Cal.—Bonds of \$2,300,000 to finance construction of 135 miles of county highways have been voted.

ANTIOCH, Contra Costa Co., Cal.—December 2nd is the date set by the City Trustees, J. E. McElheny, City Clerk, to decide the question of issuing bonds of \$18,000 with which to finance the construction of the F street sewer from Tenth street to an outfall in the San Joaquin river.

FRESNO, Fresno Co., Cal.—The County Supervisors have sold the \$150,000 bond issue of the Fowler Union High School District at a premium of \$3,238. Proceeds of the sale will finance construction of a high school building plans for which are being prepared by Architects Allison & Allison, Hibernian Bldg., Los Angeles.

SAN ANSELMO, Marin Co., Cal.—The Town Trustees have adopted an ordinance prepared by the Town Attorney for an election to vote bonds of

\$100,000 for the construction of concrete work and surfacing on the County Road from Ross line to Fairfax and San Rafael lines, and on the Inside Road—San Anselmo Avenue—from Bolinas Avenue to Yolanda, Lansdale, and out to the County Road near the Fairfax line. Also for \$65,000 for the construction of nine bridges, being the Barber Tract bridge, Magnolia Avenue, Powerhouse, Redwood Avenue, Nokomis Avenue, two on Saunders Avenue, and the big bridge at Lansdale.

RENO, Nevada.—Ordinances have been passed by the City Council calling an election to vote bonds for street improvements under a program prepared by H. C. Chism, City Engineer.

The ordinance provides for the construction of concrete streets as follows:

North Center street, from Fourth to the university gates; West Third, from Sierra to the west city boundary; East Fourth, from the terminus of the present cement section to the state highway; Park, from Fourth to the Scott street bridge; Scott, from Park to Scott street bridge; East Second, from Peavine to the Scott street bridge; High, from Scott to Ryland; East Mill, from Virginia and Truckee tracks to Truckee street; Ryland, one block, between Wheeler and High; Wheeler avenue, from Ryland to Cheney; Stewart, from Wheeler avenue to South Virginia; South Virginia, from California avenue to connect with the state highway; Lander, from California to Taylor.

The asphalt street district will include Sierra, between First and Second; Lake, between First and Second; Front, between Lake and Center; East Second, between Lake and Peavine; Plaza, between North Center and Evans avenue; Lake, from Plaza to East Fourth.

Concrete curbs and gutters will be placed on all streets included within the concrete district.

The city engineer's estimate on the cost of concrete streets is \$116,296.35. Asphalt street construction will cost about \$30,000, exclusive of intersections. Cost of sidewalks and gutters is estimated at \$40,000, of which 23,126 will be spent on sidewalks.

VALLEJO, Solano Co., Cal.—Construction of several new schools is planned by the City Board of Education to relieve the present congested buildings. Funds to finance the structure will no doubt be secured under a bond issue.

OAKLAND, Cal.—Bids will be received by County Clerk George E. Gross up to December 8th, 10 A. M., for the purchase of \$370,000 school bonds with which to finance school improvements.

TURLOCK, Stanislaus Co., Cal.—Bonds of \$60,000 have been voted for extending and making improvements to the present sewer system.

MODESTO, Stanislaus Co., Cal.—The City Council has set December 9th as the date to vote on the question of issuing and selling bonds of \$410,000 with which to finance the following improvements:

Street intersections paving, \$100,000; storm sewers, \$75,000; sanitary sewers, \$35,000; filter beds, \$430,000; water extensions, \$49,000; street sprinkling and flushing equipment, \$16,000; aviation and fair grounds, \$50,000; new park, \$15,000; street lighting equipment, \$20,000; and city hall site, \$20,000.

PARADISE, Butte Co., Cal.—Bonds of \$140,000 were voted at a recent election to finance construction of improvements in the Paradise Irrigation District.

TRACY, San Joaquin Co., Cal.—The crowded conditions in the present schools must be remedied, according to John Anderson, County Superintendent of Schools.

A direct tax or bond issue to finance construction of additional school buildings is planned. H. R. McNoble and Thmoas Garner are members of the Tracy School Board.

ELVERTA, Sacramento Co., Cal.—November 29th is the date set to consider plans of architects for a modern three-room and auditorium fireproof school building, costing in the neighborhood of \$20,000. It is planned to erect the building under a bond issue. Concrete construction is favored.

CHURCHES

Plans to be Prepared.

CHURCH. Cost, \$15,000

HEALDSBURG, Sonoma Co., Cal. Cor.

Fitch and Piper Streets.

Church Building.

Owner—Methodist Church of Healdsburg, Dr. J. W. Phelps, Pastor.

Architect—Not Yet Selected.

COURTHOUSES

Bids Opened.

APARTMENTS Cost, \$—

SAN FRANCISCO. SE Stockton and

Pine Streets.

Three-story and basement reinforced

concrete apartments (15 2 and 3-

room apts. and janitor's quarters).

Owner—Withheld.

Architect—Herman Barth, Phelan

Bldg., San Francisco.

GRADING.

Stibey Grading & Teaming Co., \$5,800

Manrice Dillon, 3,950

H. N. McClure, 5,800

PLASTERING

James F. Smith, \$7,275

Geo. E. Whitmore, 6,948

W. Williams, 7,500

Alex. Mennie, 7,500

CARPENTER WORK.

H. A. Klyce, \$17,925

Ruegg Bros., 16,750

P. J. Lynch, 15,311

Chas. Koenig, 11,782

Alfred H. Vogt, 14,943

Anderson & Ringrose, 13,275

Hayes-Oser Co., 15,000

Isaac Penny, 17,570

Willis Gott, 14,973

Monson Bros., 17,700

Ira W. Coburn, 11,850

CONCRETE WORK.

P. J. Lynch, \$18,933

H. L. Peterson, 15,427

Barrett & Hilt, 16,814

American Concrete Co., 14,700

Anderson & Ringrose, 19,269

Mission Concrete Co., 13,879

Jno. Spargo, 14,284

Alfred H. Vogt, 16,583

ROOFING AND SHEET METAL WORK.

Guilfof Cornice Works, \$2,696

Forderer Cornice Works, 3,352

Morrison & Co., 2,389

W. Heidt Cornice Works, 3,146

IRON WORK.

Ralston Iron Works, Inc., \$2,031

C. J. Hillard Co., Inc., 1,909

Golden Gate Iron Works, 1,285

Schrader Iron Works, Inc., 1,648

Dyer Bros., 1,890

PLUMBING AND GAS FITTING.

Herman Lawson, \$6,500

Scott Co., 6,844

Geo. N. Zaro, 5,690

Gus May, 6,199

Ahlbach & Mayer, 6,475

Frank J. Klumm, 5,484

HEATING.

Herman Lawson, \$2,877

Scott Co., 2,970

Wm. F. Wilson Co., 3,352

Atlas Heating & Ventilating Co., 2,886

Frank J. Klumm, 2,993

ELECTRICAL WORK.

W. H. Kirsten, \$1,776

Central Electric Co., 2,165

Hetty Bros., 2,185

Decker Electrical Constr. Co., 2,162

Butte Electrical Equipment Co., 2,086

PAINTING.

C. B. Sovig, \$2,445

Henry F. Wagner, 3,500

H. Maundrell & Co., 2,630

Cramer Bros., 4,660

Henry Kern, 2,465

MARBLE WORK.

American Marble & Mosaic Co., \$300

Joseph Musto Sons-Keenan Co., 265

The Mission Marble Works, 269

TILING.

Ginsberg, \$139.75

Scott Co., 150.00

FACTORIES & WAREHOUSES

Contract Awarded.

CANNING PLANT Cost, \$75,000

CAMPBELL, Santa Clara Co., Cal.

One and part 2 story canning plant, 120

by 180.

Owner—J. C. Ainsley.

Architect—Not Given.

Contractor—Z. O. Field, 167 S-14th St.,

San Jose.

Plans Nearing Completion.

COLD STORAGE PLANT Cost, \$125,000

PORTLAND, Ore. SW Cor. East Sev-

enth and Main Streets.

Three-story and basement reinforced

concrete cold storage plant, 115x

110.

Owner—Crystal Ice & Cold Storage

Co., Portland, Oregon.

Architects—Camp & DuPuy, 426 East

Alder St., Portland, Oregon.

Contract Awarded on Percentage Basis

FLOUR MILL Cost, \$200,000

PORTLAND, Ore. St. John Terminal.

Seven-story reinforced concrete flour

mill.

Owner—Eagle Flouring Mills, Port-

land, Ore.

Architect—John V. Bennes, Chamber of

Commerce Bldg., Portland.

Contractor—J. E. Case Portland.

Contract Awarded.

BUILDINGS FOR COAL YARD

Cost, \$80,000 or \$90,000.

SAN FRANCISCO. SE Fremont &

Brannan Streets.

Frame and concrete buildings for c

yard.

Owner—City Coal Company.

Engineer—Howard C. Holmes,

Market St., San Francisco.

Contractor—Hannah Bros., 142 So

some St., San Francisco.

The laying of tracks, etc., has

ready been completed by days labor.

The plumbing and electric wiring

not included in the general contract

and will be let separately.

Contract Awarded. Contractor to Tal

Sub-Figures.

MFG. PLANT. Cost, \$255.0

OAKLAND, Cal. 29th Avenue and I

1th Street.

Three one-story reinforced concrete

buildings. Administration, 50x10

Welfare Bldg., 50x250, and Pla

Bldg., 250x150 for jam and jel

manufacturing plant (1st unit).

Owner—A. W. Palfreyman for H. Jon

& Co., Ltd., Australia.

Architect—Washington J. Miller, 4

Market St., San Francisco.

Contractor—Geo. W. Anderson, 684 161

St., Oakland.

Plans Being Figured.

FACTORY Cost, \$—

SAN FRANCISCO. S Harrison Stre

200 E Fourth.

One-story Class "C" factory.

Owner—Withheld.

Architects—O'Brien Bros., 240 Mon

gomery St., San Francisco.

Plans Being Figured.

BOILER ROOM Cost, \$—

EUREKA. Humboldt Co., Cal. Nea

Eureka.

Concrete and steel frame boiler room

and fuel house building, 72x208.

Owner—Hammell Lumber Co.

Engineer—H. J. Brunner, Sharon Bld

San Francisco.

Plans Being Prepared.

FACTORY BUILDINGS Cost, \$—

STOCKTON, San Joaquin Co., Cal

Cherokee Lane.

Reinforced concrete factory building

Owner—Kroyer Tractor Mfg. Co., Far

mers' & Merchants' Bank Bldg.

Stockton.

Architect—Frank V. Mayo, Farmers' &

Merchants' Bank Bldg., Stockton.

Mr. Mayo has plans complete for a

factory building, which will probably

be revised and enlarged as incorpora

tion papers have been filed for \$5,000.

000, and expect to spend \$1,000,000 of

the plant. The company will manu-

facture Kroyer Wizard 4 pull tractors.

GARAGES

Plans Being Prepared.

GARAGE, ETC. Cost, \$30,000

RENO, Nevada.

One-story concrete garage and storage

building (to accommodate 110

trucks).

Owner—Nevada State Highway Com-

mission, C. C. Cottrell, Chief Engi-

neer.

Architect—State Highway Commission

Carson City, Nevada.

Plans Being Prepared.

GARAGE Cost, \$35,000
FRESNO. Fresno Co. Cal.
 One-story concrete garage, 125x140.
 Owner—J. E. Azdevian, Fresno.
 Lease—Anderson Motor Co., Ford Distributors.
 Architects—Swartz & Ryland, Rowell Bldg., Fresno.

Bids Opened and Under Advisement.

GARAGE Cost, \$—
NORTH BEND, Oregon.
 One or two-story concrete garage, 50x100.
 Owner—Robert Banks, North Bend, Oregon.
 Architects—Ostlund & Magnusson, Marshfield, Oregon.
 One-story—Hibarger & Corey, \$12,500; M. W. Payne, \$12,248; P. M. Tulley, \$11,995.
 Two-story—Hibarger & Corey, \$19,500; M. W. Payne, \$16,888; P. M. Tulley, \$18,995.

Plans Being Figured.

ADDITION Cost, \$3,000
SAN FRANCISCO. No. 1260 Masonic Avenue.
 Addition of concrete garage to residence.
 Owner—Withheld.
 Architect—D. J. Patterson, 46 Kearny St., San Francisco.

Sub-Figures to be Taken in a Few Days.

SHOP BUILDING Cost, \$10,000
SAN FRANCISCO. W Valencia Street 107 N 24th.
 One-story Class "C" shop building, 62x90 (2 shops).
 Owner—E. L. Prince.
 Architect—Martin A. Sheldon, 110 Sutter St., San Francisco.
 Work will be done by days labor and sub-contracts.

Plans Prepared. Contract to be Awarded Shortly.

GARAGE Cost, \$20,000
HANFORD. Kings Co. Cal. Adjoining Patnott's Garage.
 One-story brick and concrete garage and autosales rooms, 50x150.
 Owner—Fred Stevenson, Hanford.
 Leased to—Spear Bros., Hanford, Cal.

Plans Being Prepared.

GARAGE Cost, \$15,000
SAN FRANCISCO. Fillmore Street near Haight Street.
 One-story brick garage.
 Owner—Withheld.
 Architect—Smith O'Brien, Bankers' Investment Bldg., San Francisco.

GOVERNMENT WORK AND SUPPLIES

WASHINGTON, D. C.—The following is a complete list of bids received by the Supervising Architect, Treasury Department, Washington, D. C., for labor and materials for constructing kitchen and mess hall, officers' quarters, attendants' quarters, refrigeration plant, remodeling nurses' quarters and approaches at the U. S. Marine Hospital, Presidio, San Francisco:

LABOR

Alfred H. Vogt, San Francisco, Calif., \$48,793; alternate, \$11,960.
 Thomas A. Cavanagh, San Francisco,

Calif., \$43,695; alternate, \$15,685.

Schultz Construction Co., San Francisco, Calif., \$38,220; alternate, \$11,777.

REINFORCED RODS AND MESH
 Edward L. Soule Co., San Francisco, Calif., \$350.

W. S. Wettenhall Co., San Francisco, Calif., \$245.
 Trus-Con Steel Co., Washington, D. C., \$309.

Concrete Steel Co., New York City, \$363.
 Kyle & Co., San Francisco, Calif., \$256

CERAMIC TILE.

Jackson's Works (Inc.), New York City, \$245.55.

PLASTERING

J. S. Guerin & Co., San Francisco, Calif., \$1,100.

Pacific Portland Cement Co., San Francisco, Calif., \$1,087.

ASPHALT MATERIALS.

Paraffin Co. (Inc.), San Francisco, Calif., \$337.41.

CEMENT

Pacific Portland Cement Co., San Francisco, Calif., \$3,638.10.

J. S. Guerin & Co., San Francisco, Calif., \$3,601.30.

Old Mission Portland Cement Co., San Francisco, Calif., \$3,179.81.

Santa Cruz Portland Cement Co., San Francisco, Calif., \$3,214.56.

SCREENS

Robbins Mfg. Co., Chicago, Ill., \$908.
 Richard Spencer, San Francisco, Calif., \$1,520.

Yardley Screen Co., Columbus, Ohio, \$1,015.80.

E. T. Burrowes Co., Portland, Me., \$810.25.

ROOFING SLATE

Vendor Slate Co., Washington, D. C., \$9,498.60; alternate, \$10,200.60.

Slatington Slate Co., Slatington, Pa., \$10,125.

SHEET METAL

Forreder Cornice Works, San Francisco, Calif., \$452.

Percy Sheet Metal Works, San Francisco, Calif., \$511.

Guliflow Cornice Works, San Francisco, Calif., \$480.

SANITARY SLATE

Structural Slate Co., \$295.
 Slat'ngton Slate Co., Slatington, Pa., \$260.

HARDWARE

Ruse-ell & Erwin Mfg. Co., New Britain, Conn., \$980.37.

Penn Hardware Co., Reading, Pa., \$731.50.

PLUMBING FIXTURES

A. R. Sands & Sons Co., New York City, \$4,550.

Crane Co., San Francisco, Calif., \$2,720.

John Douglas Co., Washington, D. C., \$1,465.50.

WIRING AND LIGHTING MATERIALS

Herman Andrae Electric Co., Milwaukee, Wis., \$1,090.79.

Butte Electrical Equipment Co., San Francisco, Calif., \$1,321.12.

Pacific State Electric Co., San Francisco, Calif., \$1,185.31.

Western Electric Co., New York City, \$1,106.20.

PLUMBING AND HEATING

Crane Co., San Francisco, Calif., \$5,413.

Shultz Construction Co., San Francisco, Calif., \$11,650.

LUMBER

Shultz Construction Co., San Francisco, Calif., \$22,275.

Hardwood Lumber Co., San Francisco, Calif., \$9,136.

Olson-Mahoney Lumber Co., San Francisco, Calif., \$9,035.

MILLWORK

National Mill & Lumber Co., San Francisco, Calif., \$7,882.

The only bid received for constructing refrigerating plant was that of the York-California Construction Co., 832 Folsom St., San Francisco, Calif., at \$16,700.

BENICIA, Solano Co., Cal.—Only two bids were received by Commandant Col. O'Hern at the Benicia Arsenal for the construction of a one-story reinforced concrete hospital as follows:

Robert Trost, San Francisco, \$25,500

McLeran & Peterson, San Francisco, approximately, \$29,854.

The bids will be sent to Washington for the approval with the recommendation that the award be made to Trost.

WASHINGTON, D. C.—The Bureau of Yards and Docks, Navy Department, has awarded a contract to Adams, Britz & Co., Inc., 1759 Park avenue, New York City, for power plant equipment improvements at Pearl Harbor, the work being \$84,321; time to complete work, 200 days. The work is provided for under Specification 3218.

SAN FRANCISCO.—Bids will be received by the Engineer Office, U. S. Army, Fair Bldg., 240 Montgomery St., San Francisco, up to December 4th, 10 A. M., under Order No. 2085 for furnishing and delivering f. o. b. Antioch, Contra Costa County, one "Gardner Spring Governor, F. E. Class "A," 2 1/2 in diameter."

To be Done by Day Labor.

STATIONS Cost, \$—
CALIFORNIA. Along Pacific Coast

About 10 radial compass stations.
 Owner—United States Government.

Architect—Public Works Dept., Mare Island.

The Public Works Dept. are purchasing materials and supervising the construction.

U. S. ENGINEERS' OFFICE, Seattle, Wash.—Sealed proposals for dredging and rock excavation in Willapa River and Harbor, Wash., will be received at this office until 12 M., December 19, 1919, and then opened. Information on application.

SEATTLE, Wash.—Bids will be received by the Alaskan Engineering Commission, Bell Street Dock, Seattle, up to December 4th, 10 A. M., for supplies for the government railroad in Alaska as follows:

75 keg track spikes, 50 kegs bolts, 2000 pairs fish plates, 105 channels, 40 clamp connection bars, 200 tension rods, several hundred castings, 245 cast washers.

HALLS AND SOCIETY BUILDINGS

LOS ANGELES, Cal.—Until 2 P. M., December 1, bids will be received by Supervisors of Los Angeles County for paving 2.4 miles of the harbor truck

Blvd. on Alameda St. between Burton St. and the south city limits of Compton, in Road District No. 4, involving 500 cu. yds. excavation, 12,802 lin. ft. shaping roadbed, 7603 cu. yds. 1:2:4 concrete paving, and construction of a reinforced concrete culvert 2x5 ft., estimated to cost about \$700. The paving will be 24 ft. wide and 8-in. thick, reinforced with disintegrated granite shoulders. The county will furnish 11,481 bbls. cement, 316,266 sq. ft. electric welded rectangular mesh reinforcing and 7,820 tons disintegrated granite. Average haul $\frac{3}{4}$ mile. Estimated cost, complete, \$101,000. This is a cash job. Certified check for 10% required.

At the same meeting separate bids will be received for grading and paving 5.62 miles on the Sausage-Ventura road in Road District No. 5, involving 33,500 cu. yds. excavation, 29,270 lin. ft. shaping roadbed, 59,440 sq. yds. concrete paving 5 in. thick, and 15 ft. wide, 43 cu. yds. concrete for headwall, 1800 lbs. reinforcing steel; 46 ft. 36-in., 17 $\frac{3}{4}$ ft. 24-in. and 13 $\frac{3}{4}$ ft. 15-in. corrugated metal pipe culvert and 1000 ft. standard guard fence. There will also be alterations and additions to two pile trestles, one to be raised 2 ft., and the other to be raised and moved, requiring driving of some new piles. The county will furnish cement, 12,470 bbls. Average haul about 2 miles. Estimated cost of work complete, \$120,000. These are cash jobs. Certified check for 10% required.

Site Being Considered.
SOCIETY BUILDING Cost, \$—
FRESNO, Fresno Co., Cal.
Society Building.
Owner—Assyrian National Ass'n. of Fresno County, Fresno, Cal.
Architect—Not Yet Selected.

A committee of four has been appointed to purchase at once a site for the proposed building.

Preliminary Plans Prepared.
CLUB HOUSE Cost, \$50,000
WOODLAND, Yolo Co., Cal. 600-Acre Tract near Woodland.
Club house.
Owner—Yolo Fliers County Club, O. W. H. Pratt, Promoter.
Architect—W. H. Weeks, 75 Post St., San Francisco.

HOSPITALS

Plans to be Prepared.
HOSPITAL Cost, \$400,000
SACRAMENTO, Cal. 40th and "J" Sts. Class "A" hospital building.
Owner—Sisters Hospital, 23rd and "R" Sts., Sacramento.
Architect—Not Selected.

NOTE:—A campaign for funds will be started in December. Dr. T. J. Cox an active member, stated that an architect would be selected in January.

HOTELS

SEATTLE, Wash.—Unconfirmed reports are current in this city that the proposed \$5,000,000 hotel building to be erected by Linnard Hotel Syndicate or the Bowman interests of New York, will be built by the Foundation Company with offices in the Holbrook Bldg., San Francisco.

The proposed structure is to contain 700 rooms and will be of fireproof construction throughout.

Plans Being Complete. Contract Awarded.
HOTEL Cost, \$—
RENO, Nevada. Second Street East of Odd Fellows' Building.
Six-story and basement reinforced concrete hotel, 100x150 (180 rooms, each with bath).
Owner—Albert J. Franck, Reno, Nev.
Architect and Contractor—George E. Holesworth, Reno, Nevada.

Plans Being Prepared.
HOTEL & STORE Cost, \$—
AVALON, Los Angeles Co., Cal.
Four-story and basement Class "A" hotel and store building, 200x200.
Owner—Boos Bros.
Architect—Chas. F. Plummer, 1108 Story Bldg., Los Angeles.

SACRAMENTO, Cal.—The City Commissioners have granted a permit to John T. Stoll, Stoll Bldg., Sacramento, to repair the present structure at Fifth and K streets. The building will be altered into a modern lodging house on the upper stories and stores on the ground floor. The work will cost \$12,000.

POWER PLANTS

REDDING, Shasta Co., Cal.—P. M. Downing, Chief Engineering of the Electrical Department of the Pacific Gas & Electric Co., has announced that construction on the proposed \$10,000,000 power project at Big Bend will be started about the first of the year.

EUREKA, Humboldt Co., Cal.—T. E. Ambrose of Stockton, associated with C. S. Hirschberger, has offered to dispose of the city garbage through a plant to be constructed by his firm at a cost of \$30,000.

PUBLIC BUILDINGS

Plans Being Figured. Bids Close Dec. 16th, 1919, 1 P. M.
COMPLETE BANDSTAND Cost, \$19,000.
OAKLAND, Alameda Co., Cal. Lake-side Park.
Completion of bandstand (steel, stone and carved wood). The foundation and base are already in.
Owner—City of Oakland, Park Commissioners, City Hall, Oakland.
Architects—Reed & Corlett, Oakland Bank of Savings Bldg., Oakland.

RESIDENCES

Plans Being Prepared.
RESIDENCE Cost, \$8,000 and \$10,000
OAKLAND, Alameda Co., Cal. Santa Rita Avenue.
Two-story and basement frame residence and garage (7 rooms).
Owner—Chas. W. McCall, Central Bk. Bldg., Oakland.
Architect—Chas. W. McCall, Central Bank Bldg., Oakland.

Contract Awarded.
RESIDENCE Cost, \$8,000
MODESTO, Stanislaus Co., Cal. Walnut and Magnolia Streets.
Two-story and basement frame residence and garage (7 rooms).
Owner—Dr. E. F. Reamer.
Architect & Contractor—Wallace H. Hubbard, 919 "I" St., Modesto.

Plans Being Prepared.
BUNGALOW Cost, \$7,000
HILLSBOROUGH, San Mateo Co., Cal. Lot 100x240.
One-story frame bungalow and garage (5 rooms and sleeping porch).
Owner—Withheld.
Architect—Miss Grace Jewett, Room 814, 57 Post St., San Francisco.

Ready for Figures November 25th.
RESIDENCE Cost, \$14,000
OAKLAND, Alameda Co., Cal. Kingston Avenue.
Two-story and basement residence and garage 9 rooms and sleeping porch.
Owner—Withheld.
Architect—Chas. W. McCall, Central Bank Bldg., Oakland.

Plans Being Figured.
ALTERATIONS Cost, \$—
SAN FRANCISCO, No. 232 Maple St.
Alterations to three-story frame and brick residence (excavate and construct basement for garage, also other improvements).
Owner—L. M. Kaye.
Architect—Sidney B. Newsom, Nevada Bank Bldg., San Francisco.

Contract Awarded.
BUNGALOWS Cost, \$—
OAKLAND, Alameda Co., Cal. Havens Court.
90 one-story frame bungalows (first unit of 20 have been started).
Owner—Thompson Boxton Homes Co.
Architect—A. H. Knoll, Hearst Bldg., San Francisco.
Contractor—Geo. W. Boxton & Son, Hearst Bldg., San Francisco.
J. M. Lettich, Monadnock Bldg., San Francisco, has the contract for plumbing work.

Plans Being Prepared.
RESIDENCE Cost, \$15,000
HILLSBOROUGH, San Mateo Co., Cal.
Two-story and basement frame residence (12 rooms and 3 bathrooms) also separate garage.
Owner—Withheld.
Architect—D. J. Patterson, 46 Kearny St., San Francisco

November 19, 1919.
Contract Awarded.
RESIDENCE Cost, \$11,300
BERKELEY, Alameda Co., Cal. Waring Street near Parker.
Two-story and basement frame residence and garage (7 rooms and 2 bathrooms and sleeping porch).
Owner—Arthur G. Wood.
Architect—W. H. Ratcliff Jr., 1st National Bank Bldg., Berkeley.
Contractor—Connor & Connor, 2105 Berkeley Way, Berkeley.

SAN JOSE, Cal.—The following bids were received November 17th by the Santa Clara County Supervisors for the construction of Nurses' Cottage and Isolation Building at the County Hospital. Plans were prepared by Architect Chas. S. McKenzie, Bank of San Jose Bldg., San Jose.
Al. Compton, 547 North 17th St., San Jose, was awarded the contract.
Al. Compton \$16,659
E. Monnenson 18,878
Morrison Bros. 16,974
D. J. Jorgensen 17,333

Revised Plans Being Figured.

RESIDENCE Cost, \$10,000
BERKELEY, Alameda Co., Cal. **Ashby**
 Avenue near Claremont.
 Two-story frame residence (8 rooms, 2
 bathrooms and separate garage.)
 Owner—Mrs. Wm. Endress, 1118 Ox-
 ford St., Berkeley.
 Architect—Jas. W. Plachek, 2014 Shat-
 tuck Ave., Berkeley.

Contractor Taking Segregated Fig- ures.

BUNGALOWS, ETC. Cost, \$4,750 each
BURLINGAME, San Mateo Co., Cal.
 Easton Addition.

Twelve one-story frame and plaster
 bungalows and garages (5 and 6
 rooms each).

Owner—California Bldg. & Loan Co.
 Architect—Chas. E. J. Rogers, Phelan
 Bldg., San Francisco.

Contractor—W. C. Duncan & Co.,
 Sharon Bldg., San Francisco.

Contract Awarded.

RESIDENCE Cost, \$—
LOS ANGELES, Fremont Place and
 Ninth Street.

Two-story frame and plaster residence
 (14 rooms, 4 bathrooms, double
 garage).

Owner—E. C. Wilson.
 Architect—Milwaukee Bldg. Co., 317
 Wright & Callender Bldg., Los
 Angeles.

SCHOOLS

Commissioned to Prepare Plans.

SCHOOL Cost, \$85,000
STRATHMORE, Tulare Co., Cal.
 Group of brick high school buildings.
 Owner—Strathmore High School Dis-
 trict.

Architect—E. J. Kump, Rowell Bldg.,
 Fresno.

The buildings will have asbestos
 stucco exterior, clay tile roofs, steam
 heat, oil burner system.

Plans Being Prepared.

SCHOOL Cost, \$100,000
DINUBA, Tulare Co., Cal.
 Group of Hollow tile and stucco high
 school buildings.

Owner—Dinuba High School District
 Architect—E. J. Kump, Rowell Bldg.,
 Fresno.

Plans Being Figured. Bids Close Dec.
 15th, 7 P. M.

SCHOOL Cost, \$—
CLOVIS, Fresno Co., Cal.
 Two-story concrete high school.

Owner—Clovis High School District.
 Trustees of the District are: J. H.
 Cadwallader, L. D. Reyburn, J. A.
 Riggs.

Architect—W. H. Weeks, 75 Post St.,
 San Francisco.

Bids will be received separately as
 follows:

1. Excavating and grading and con-
crete work.
2. Brick and Terra Cotta.
3. Carpenter Work.
4. Plumbing Work.
5. Sheet Metal Work.
6. T. & G. Roofing.
7. Terra Cotta Tile Roofing.
8. Plastering Work.
9. Electric Wiring.
10. Painting.
11. Finishing Hardware.
12. Black Boards.
13. Window Shades and Cork Carpet.

14. Composition Flooring.

15. Program Clock System.

16. Iron and Steel.

Certified check for 10% payable to
 John H. Caldwell, President of the
 Board of Trustees of the Clovis High
 School District, must accompany each
 bid.

Plans Being Prepared. Bids to be Called
 About January 1st, 1920.

GYMNASIUM Cost, \$35,000
OREGON CITY, Oregon.

One-story and basement brick school
 gymnasium, 44x100.

Owner—Oregon City School District.
 Architects—Whitehouse & Poulhous.
 Railway Exchange Bldg., Portland.

Contracts Awarded.

SCHOOL Cost, \$—
BURBANK, Los Angeles Co., Cal.

One-story brick school building.
 Owner—Burbank School District.

Architect—Allison & Allison, 1405 Hi-
 bernian Bldg., Los Angeles.

The following contracts have been
 awarded: Carpenter and concrete work
 to P. A. and B. F. Farley of Burbank,
 at \$51,730; masonry work, \$17,900 to
 Henry Reimers, 1217½ Winfield St.,
 Los Angeles; plastering at \$8,375 to R.
 Liebold, 716 W. 45th St., Los Angeles;
 painting and tinting to D. Zelinsky &
 Sons, Alexandria Hotel, Los Angeles;
 electric wiring at \$2,570.17 to the
 American Electric Construction Com-
 pany; plumbing and gas piping to J.
 Hokum, 4315 Moneta Ave., Los Ange-
 les, at \$6,709; tile roofing at \$4,853 to
 C. L. Passmore; composition roofing at
 \$126 to the Johns-Manville Co.; sheet
 metal work at \$1247 to National Cor-
 nices Works; blackboards at \$1458 to
 T. N. Pierce; finish hardware to the
 California Hardware Co. The bids on
 the steam and gas heating systems
 were rejected. New bids will be taken
 for gas heating only.

Commissioned to Prepare Plans.

SCHOOLS, ETC. Cost, \$440,000
LONG BEACH, Los Angeles Co., Cal.
 Fireproof high school auditorium to
 cost \$150,000 and new grammar
 schools and additions to cost \$290,-
 000.

Owner—City of Long Beach.
 Architects—John C. Austin and W.
 Horace Austin, Associated.

NOTE:—Bonds have been voted.

Bonds Voted. Bids to be Called Shortly
SCHOOL Cost, \$37,000

WINTERIS, Yolo Co., Cal.

One-story brick grammar school.
 Owner—Winters Grammar School Dis-
 trict.

Architect—W. H. Weeks, 75 Post St.,
 San Francisco.

Buildng will have exterior finish of
 cement plaster with red brick base and
 terra cotta tile roof and coping effect.

LINDSAY SCHOOL DISTRICT, Fresno
 Co., Cal.—Bids will be received by
 Architects and Engineers Swartz &
 Ryland, Rowell Bldg., Fresno, up to
 3 P. M. December 3rd, for the con-
 struction of an addition to the present
 building, the building of a tank tower
 and the installation of an electric au-
 tomatic pumping plant.

Certified check of 10% payable to H.
 C. Mathieson, Clerk of the Lindsay
 School District, must accompany each
 bid.

Working Drawings Being Prepared.

SCHOOL Cost, \$60,000
CORCORAN, Kings Co., Cal.
 One-story school (Mission Design).
 6 rooms and auditorium.
 Owner—Corcoran School District.
 Architect—M. P. Renfro, Porterville,
 Cal.

SEATTLE, Wash.—The immediate
 preparation of plans for two school
 buildings has been ordered by the City
 Board of Education. A high school
 building for the University District,
 Brooklyn avenue, Fifteenth avenue,
 66th and 68th streets, will cost \$500,-
 000 and a junior high school at Twenty
 fourth avenue between Jefferson and
 Alder streets, the estimate cost of
 which is \$300,000.

Plans will no doubt be prepared by
 F. A. Naramore, City School Archi-
 tect.

San Jose, Santa Clara Co., Cal.—The
 City Board of Education discussed with
 a building committee including Victor
 Challen, L. T. Smith, and John D.
 Kuster, with all the San Jose archi-
 tects, including Binder & Curtis, Frank
 Wolff, W. C. Phillips Howard Higbie
 of the firm of Higbie & Hill, Herman
 Krause, Louis Lenzen and Warren
 Skillings, the improvement of the
 present schools in San Jose. The mat-
 ter of erecting a \$600,000 polytechnic
 high school was discussed.

Another meeting will be held in the
 near future when definite plans will be
 outlined.

BERKELEY, Alameda Co., Cal.—Im-
 provements in the heating system and
 the installation of a hair drying ap-
 paratus in the Edison and Burbank
 Schools have been recommended to the
 City Board of Education by Architect
 W. H. Ratcliff Jr., First National Bank

Plans Prepared. Awaiting Approval.

SCHOOL Cost, \$—
FRESNO, Fresno Co., Cal.
 Fireproof high school building.

Owner—City of Fresno, Jerome O.
 Cross, Supt. of Schools.
 Architects—Coates & Travers, Rowell
 Bldg., Fresno.

SALINAS, Monterey Co., Cal.—Arch-
 tect Ralph Wyckoff, 328½ Main Street,
 Salinas, has awarded contracts as
 follows in connection with the altera-
 tions on the West Side School Build-
 ing in Salinas:

Pacific Mfg. Co., Salinas, for mill
 work, at \$1,000.

Hayward Lumber Co., Salinas, for
 lumber at \$995.

The bids were taken for furnishing
 materials only.

STORES AND OFFICES

Plans Being Figured.

DEPT. STORE Cost, \$—
BAKERSFIELD, Kern Co., Cal.
 Six-story Class "B" department store
 building.

Owner—E. W. Hopkins.
 Architects—Bliss & Faville, Balboa
 Bldg., San Francisco.

Figures are being taken for a general
 contract.

Plans Being Prepared. Contract
 Awarded.

ALTERATIONS Cost, \$6,000

MODOSTO, Stanislaus Co., Cal. 10th and "J" Streets.
Alter drygoods store (interior decorating and finishing).
Owner—Jos. Prester.
Architect & Contractor—Wallace H. Hubbert, 919 "I" St., Modesto.

Contract Awarded.
ALTERATIONS Cost, \$2500
SAN FRANCISCO. Bush and Franklin Streets.
Alterations to market (marble work, etc.).
Owner—Withheld.
Architect—August Headman, New Call Bldg., San Francisco.
Contractor—C. T. Merchant, 180 Jessie Street.

Contract Awarded.
STORE BUILDING Cost, \$—
TURLOCK, Stanislaus Co., Co. Main and First Streets.
One-story (5) stores; three 16x36 and two 12x24 feet.
Owner—E. J. Cadwallader and E. P. Mains, Turlock, Cal.
Architect—Not Given.
Contractor—John F. Knapp, Turlock.

Plans Being Prepared.
STORE BUILDING Cost, \$—
BURLINGAME, San Mateo Co., Cal. Burlingame Ave. near Park Road.
One-story reinforced concrete store building.
Owner—Wisnom & Co., "A" St. and 2nd Ave., San Mateo.
Lesee—Morgensen & Son, 312 Occidental Ave., Burlingame.
Designer & Contractor—Sam Wisnom, "A" St. and 2nd Ave., San Mateo.

Owners Taking Figures.
ALTERATIONS Cost, \$4,000
SAN FRANCISCO. Mission Street near 24th Street.
Alterations to store (new fronts, etc.).
Owner—China Toggerly.
Architects—O'Brien Bros., 240 Montgomery St., San Francisco.

FRESNO, Fresno Co., Cal.—Avadis Hagopian and Carl Sarkisian of this city have purchased the property at 1527 "I" St., and plan the erection of a \$25,000 autosales building.

CHICO, Butte Co., Cal.—C. W. Randall of Chico has been granted a building permit by the City Council to erect a \$30,000 brick and concrete auto sales room building at Seventh and Broadway streets.

FRESNO, Fresno Co., Cal.—Two sites are being considered by the Anchor Stage Company for the new building planned to cost \$40,000. The proposed building will be approximately 100 by 150 feet in size and will be of reinforced concrete or brick construction, and will contain ticket offices, storage rooms, etc.

Contract Awarded.
STORE BUILDING Cost, \$30,000
PORTLAND, Ore. Couch St. bet. 10th and 11th Streets.
One-story brick store building, 100x200
Owner—Rodney L. Glisan.
Architects—Houghtaling & Dugan, Henry Bldg., Portland.
Contractor—Oscar Wayman, Builders' Exchange, Portland.
Williams & Finnegan secured the

contract for the heating and plumbing while the roofing contract was given to C. J. Kelly.

Plans have been designed to enable the owner to add an additional story.

Plans Being Figured.
OFFICES, ETC. Cost, \$—
LONG BEACH, Cal.
Four-story Class "C" brick office and store building, 50x150.
Owner—PICKERELL & Scott.
Architect—Fred R. Dorn, 1232 Marsh-Strong Bldg., Los Angeles.

THEATRES

Preliminary Plans Prepared.
THEATRE, ETC. Cost, \$1,000,000
LOS ANGELES, Cal. Broadway bet. 5th and 6th Streets.
Class "A" theatre and office building, 120x330.
Owner—A. C. Blumenthal & Co., Holbrook Bldg., San Francisco.
Architects—Reid Bros., 104 Montgomery St., San Francisco.

Plans Being Completed. Mill Work
Contract Awarded.
ALTERATIONS Cost, \$31,000
FRESNO, Fresno Co., Cal. Van Ness Avenue.
General alterations and changes for theatre. Changes on front; exhaust fans, glass, mahogany, interior finish, etc.

Owner—Liberty Theatre, George F. Sharp, Mgr., Fresno.
Architects—Coates & Traver, Fresno.
Contract for mill work has been awarded to a local planing mill.

Plans Being Completed.
ALTERATIONS Cost, \$—
ASTORIA, Ore.
Remodeling theatre building (seating capacity 1100).
Owner—Astoria Amusement Co., Mr. Danz, Manager.
Architects—Rasmussen-Grace Co., Inc., Bates Dock Bldg., Portland, Ore.

Contracts to be Awarded Shortly.
THEATRE Cost, \$70,000
SAN FRANCISCO. No. 3350 Mission Street near 29th.
One-story Class "A" motion picture theatre.
Owner—S. Mariani, 2881 23rd St., San Francisco.
Architects—Reid Bros., 105 Montgomery St., San Francisco.
Contracts will be signed in a few days.

G. B. Pasqualetti submitted the lowest bid for concrete, excavation and carpentry work.

Plans Being Figured. Contract
Awarded on a Percentage Basis.
THEATRE. Cost, \$—
LOS ANGELES. Hollywood Blvd. near Wilton Place.
Two-story class "C" brick moving picture theatre, 60x160.
Owner—J. Young.
Architect and Contractor—C. S. Albright, 5910 Hollywood Blvd., Los Angeles.

Architect to be Selected Shortly.
THEATRE Cost, \$—
SAN FRANCISCO. Taylor and Market Streets.
Class "A" theatre.

Owner—Ackerman & Harris and A. C. Blumenthal & Co., 58 Sutter St., San Francisco.

Architect—Not Selected.
Reid Bros. have prepared preliminary plans, but whether they will be selected as the architects has not been decided.

Plans to be Prepared.
ADDITIONS Cost, \$—
SAN JOSE. Santa Clara Co., Cal. Market Street.
Extensions and additions for fireproof theatre building, 110x193. Seating capacity 2300.
Owner—Liberty Amusement Co., Liberty Theatre, Jas. Beatty, Manager, 32 S-13th St., San Jose.
Architect—Not Given.

Contract Awarded.
EXTENSION TO THEATRE
Cost, \$4,100.
HANFORD, Kings Co., Cal. West Seventh Street.
Brick extension to theatre, 33x50.
Owner—Universal Theatre, Hanford.
Architect—Not Given.
Contractor—J. F. Brown, Madera.

ENGINEERING

BRIDGES, DAMS & HARBOR WORK

RED BLUFF, Tehama Co., Cal.—The County Supervisors, H. G. Kuhn, County Clerk, have awarded a contract to the Hart Construction Co. for the construction of a bridge on Woodson avenue at \$6,500.

SANTA ROSA, Sonoma Co., Cal.—Following bids were received by the County Supervisors, Lloyd Aldrich, County Highway Engineer, for the construction of a concrete bridge over Piner Creek on the Santa Rosa-Grafton road:

C. H. Gildersleeve	\$6,200
W. L. Proctor	6,343
Call Construction Co.	6,446
D. E. Albers	6,450

SAN FRANCISCO—The Board of Public Works has awarded a contract to the Healy Tibbitts Construction Co., 9 Main street, for fender piling at the Third Street bridge and has requested the Supervisors to appropriate \$8,700 to cover the cost of the contract.

RED BLUFF, Tehama Co., Cal.—Bids will be received by the County Supervisors, H. G. Kuhn, County Clerk, up to December 8th, 10 A. M., for the construction of a reinforced concrete bridge on the Foster Road, in Supervisor District No. 5.

RED BLUFF, Tehama Co., Cal.—The County Supervisors, H. G. Kuhn, County Clerk, is contemplating the construction of a bridge over the south Fork of Cottonwood Creek near the McKerras Place in Supervisor District No. 1.

WENATCHEE, Wash.—Bids will be received up to December 8th, by the Chelan County Commissioners, A. V. Shepard, County Auditor, for the construction of a 500-foot concrete bridge over the Wenatchee river, near Cash-

mere. The structure will consist of five 100-foot spans, involving 1825 cubic yards of concrete, 2000 cubic yds. and 80,600 lbs. of reinforcing steel.

STOCKTON, San Joaquin Co., Cal.—Two bids were received by the City Council for the construction of a levee around the north disposal plant west of Tuxedo Park have been taken under advisement.

Cy Moring, Commercial & Savings Bank Bldg., Sacramento, submitted the low bid at 75 cents per cubic yard or \$3,101.25 and M. Blumenkranz at \$1.45 per cubic yard or \$5,595.75.

REDWOOD CITY, San Mateo Co., Cal.—C. J. Lindgren, Burlingame, has been awarded a contract by the City Trustees for the construction of the concrete bridge on Washington street near the Public Library, his bid being \$10,040.50. Two other bids were submitted as follows:

Edward H. Martin.....\$10,485.50
C. B. Cowden.....10,795.50

SAN JOSE, Santa Clara Co., Cal.—The County Supervisors have awarded a contract to Herschbach & Sciarro, 560 Park St., San Jose, at \$13,634 for the construction of a reinforced concrete bridge on the Pierce road over Calabazas Creek in Supervisor District No. 5. Henry A. Pfister is County Clerk.

REDWOOD CITY, San Mateo Co., Cal.—The Town Engineer is preparing plans for several small bridges to be constructed in the Roosevelt avenue district and one across the branch of Redwood Creek on Lathrop street near the Beeger tannery.

SANTA MONICA, Los Angeles Co., Cal.—The commission of engineers appointed recently to examine and report on the condition of the reinforced concrete municipal pier report that of 150 piles in the pier only 20 are sound and that in its present condition it is unsafe. A bond issue of \$75,000 to \$100,000 will be necessary to restore the structure which was erected ten years ago at a cost of \$100,000.

RED BLUFF, Tehama Co., Cal.—The County Supervisors, H. G. Kuhn, County Clerk, has awarded a contract to the Ross Construction Co., at \$15,980 for the construction of the concrete bridge at the South Fork of the Cottonwood Creek.

The Board also awarded a contract to C. E. McCartney at \$4,980 for the bridge over Dry Creek, near the Alford Place.

PORTLAND, Ore.—Bids will be received by the Oregon State Highway Commission up to December 20th for the construction of the bridge across Young's Bay near Astoria, the estimated cost of which is \$285,000. The project includes two double leaf trunnion bascule bridges with approaches, etc.

REDONDO BEACH, Los Angeles Co., Cal.—All bids received November 17 for repairing the reinforced concrete municipal pier were rejected by the City Trustees, being in excess of the amount available from the bond issue

of \$25,000. Two bids were submitted, both on a cost plus fee basis. Wm. Ledbetter of Los Angeles, made the best proposal, at an estimated cost of \$28,978 plus 10%. The Foundation Co. submitted a proposal at an estimated cost of \$42,000 plus a fixed fee of \$8000. No decision was made regarding re-advertising the work. Leeds & Barnard, Central Bldg., Los Angeles, are the engineers.

RED BLUFF, Tehama Co., Cal.—Bids will be received by H. G. Kuhn, County Clerk, up to December 9th, 10 A. M., for the construction of a Low Truss steel bridge across Battle Creek on the Mantion road in Supervisor District No. 3.

STOCKTON, San Joaquin Co., Cal.—The City Council has accepted the offer of Sherman Jubb, Engineer, to prepare a report on Stockton's deep water project, he agreeing to furnish same for \$1,500.

SAN JOSE, Santa Clara Co., Cal.—The City Council is contemplating calling a bond election in the Spring to secure funds to finance the construction of bridges inside the city limits. Of 21 bridges within the city limits, but three are of modern construction. W. C. Bailey is City Manager.

STOCKTON, San Joaquin Co., Cal.—Following bids were received by the County Supervisors for the construction of a bridge over Bear Creek near Harmony Grove:

Wm. B. Whale.....\$2,766
Cary Bros.3,294
R. C. Tumulty.....3,487

The bids were taken under advisement.

IRRIGATION PROJECTS

EL CENTRO, Imperia Co., Cal.—Final estimates on the cost of the proposed all-American canal by the Imperial Irrigation District from the engineering commission composed of Dr. Elwood Mead, W. W. Schlecht and C. E. Grunsky, place the revised cost of the canal at \$31,333,545. The preliminary estimate was \$25,822,068. The increase, however, is only about \$3,600,000 for one item of \$1,900,000 added to the second report was not placed in the first. The report goes more deeply into the larger problems of the Colorado river and contains a large number of blue prints of the proposed all-American canal which were not available for the preliminary report. The preliminary report was made in December, 1918, and the increase in cost is due to the changing conditions.

MEDCED, Merced Co., Cal.—The Plainsburg Irrigation District was formed at a recent election and the following directors elected:

1st division, Paul Neuman.
2nd division, J. L. Gillette.
3rd division, E. L. Morley.
4th division, T. R. McSwain.
5th division, E. D. Kahl.

The district includes approximately 5,000 acres and the total cost of the system which it is proposed to install, will be about \$222,000. The source of the water will be in a series of wells which are to be drilled.

LIGHTING SYSTEMS

SANTA ROSA, Sonoma Co., Cal.—Final action on the proposed installation of electroliters in Fifth street, between Mendocino avenue and A street, a distance of two blocks, will be taken by the City Council the latter part of December. Estimates presented to the Council outlines a system costing \$2,400; the electroliters to be placed 100 feet apart.

MACHINERY

SAN JOSE, Santa Clara Co., Cal.—The County Supervisors, Henry A. Pfister, County Clerk, have accepted the bid of the Pierce-Arrow Pacific Sales Co., Inc., at \$6,907.50 for furnishing and delivering an auto truck to the county.

SEWERS, STREET WORK & WATER SYSTEMS

SEA-TTLE, Wash.—The Board of Public Works is contemplating the construction of the Aiki sewer system by day labor rather than by contract and will recommend this procedure to the street committee of the city council. The district to be served by what is officially known as the 63rd Avenue S. W. sewer system which will drain all of the lower levels of the Aiki Point district is estimated by City Engineer Dimock to cost \$164,000.

LOS ANGELES, Los Angeles Co., Cal.—M. S. Cummings, 1302 West Twenty-second St., was awarded the contract at \$19,946.41 for grading and oiling and other work in Mayberry St. between Mohawk and McCollum Sts., involving 63,144.1 sq. ft. rough grading at 9.5c ft.; 63,144.1 sq. ft. finishing grade, oiling and rolling at 6c sq. ft.; 4913.71 lin. ft. cement curb at 56c ft.; 21,447.9 sq. ft.

Pacific PIPE

SAVES YOU MONEY

New and re-newed screw casing and standard pipe for every requirement; tested and guaranteed for 150 pounds working pressure; dipped in hot asphaltum to prevent corrosion. Extensively used by orchardists and farmers, water-works, mines, etc.

Pacific Screw Casing is seamless steel pipe, light weight, fine thread. Saves you from one-half to two-thirds in cost; freight is half as much as on standard pipe.

Fittings and valves for every purpose; special fittings made to order. Tell us today what your requirements are; let us save you money.

PACIFIC PIPE CO.,

231 Howard St.

San Francisco

ft. cement sidewalk at 18c ft.; storm drain at McCollum St. to cost \$150; post and chain railing to cost \$500, and storm drain at Crittenden St. to cost \$220. Other bids received by the Board of Public Works were: E. Schelling, \$20,329.17; S. McCray, \$20,359.16.

BAKERSFIELD, Kern Co., Cal.—The City Engineer has been instructed to prepare plans and specifications for improving O St. between Nineteenth and Twenty-fourth Sts., by grading and oiling and constructing cement curb and gutters.

VALLEJO, Solano Co., Cal.—T. D. Kilkenny, City Engineer, reports that the Council is contemplating calling an election within the next few weeks to vote bonds of \$250,000 with which to finance the improvement of streets.

LOS ANGELES, Cal.—Until 2 P. M., November 24, bids will be received by the Supervisors of Los Angeles County for grading and paving 2.057 miles of road from Pomona Blvd. south to Orange Grove Ave. in North Whittier Heights in Road Improvement District No. 146, involving 17,375 cu. yds. earth excavation, 23,905 sq. yds. 5-in. concrete paving, 10,864 lin. ft. shaping roadbed, 12,560 lin. ft. cement curb 6x10x19 in., 760 cu. yds. Class A concrete for drain ditch and spillway, 412 ft. corrugated metal pipe culvert, 920 lin. ft. standard guard fence and 12,262 lbs. reinforcing steel; average haul 1.3 miles from Hartville on Salt Lake Railway, and 3 miles from Puente. Estimated cost to contractor, \$45,750. The county will furnish 8100 bbls. cement. Total estimated cost \$70,270. Plans and specifications may be obtained at office of Board of Supervisors. Certified check for 10% required. A. M. McPherron, Clerk.

ROAD CONTRACT AWARDED.

SANTA BARBARA, Cal.—A. L. Pendola of Santa Barbara, has a contract to grade about 2 miles of road leading from behind the Sheffield reservoir across Mountain drive to Rattlesnake canyon road from the Cielito County; H. L. Hitchcock, president. Work will be started November 17. The road will be paved as soon as the earth has settled. The company expects to spend about \$25,000 within a year preparing to open up the Cielito residence tract. Owen H. O'Neill, County Surveyor, is the engineer in charge.

VISALIA, Tulare Co., Cal.—County Engineer Moye has been instructed by the Supervisors of Tulare County to prepare plans and specifications for all unfinished sections of the county highway outlined under the 1917 bond issue; also an estimate of the amount of cement needed in order to arrange for another shipment under the contract with the Riverside Portland Cement Co. The sections unfinished are: Woodville-Poplar, 5 miles; Klink-Woodville, 4 miles; Yettem-Mud Springs, 9 miles; Dinuba-South, 6 miles; Naranja-Lemon Cove, 4 miles; Sultana-South, 4 miles; Orosi-Orange Cove, 8 miles.

VALLEJO, Solano Co., Cal.—Bids are being received by the City Council, T. D. Kilkenny, City Engineer, for the improvement of Packard Alley. Plans may be had from the City Clerk at Vallejo.

REDWOOD CITY, San Mateo Co., Cal.—The County Supervisors, Elizabeth M. Nash, County Clerk, have rejected the only bid received for the construction of a reinforced concrete retaining wall on the Pescadero to San Gregorio road near the Town of Pescadero and have ordered the work done under the supervision of the County Engineer, Charles Harlowe Jr., of San Francisco, submitted the only bid for the work.

MADERA, Madera Co., Cal.—Bids will be received by the County Supervisors, W. R. Curtin, County Clerk, up to December 1st. 2 P. M., for furnishing and delivering the following galvanized water pipe:

3150 feet, 1½" galvanized water pipe.
2550 feet, 1" galvanized water pipe.

The above pipe to be delivered at Daulton Station, on the Raymond Branch of the Southern Pacific Railroad. And the bid therefore to be f. o. b. Daulton Station, Madera County. A certified check in the sum of 10 per cent of the amount of the bid to accompany each bid.

MODESTO, Stanislaus Co., Cal.—A. B. Fletcher, State Highway Engineer, has notified the Stanislaus County Board of Trade that plans are now being prepared for the widening of the pavement in Stanislaus County between Bold Eagle and Oakdale, a distance of about 5 miles. Concrete shoulders 2½ feet wide on the side of the present 12-foot pavement will be provided.

PASO ROBLES, San Luis Obispo Co., Cal.—According to City Manager Ryan the city has decided to pave with 5-in. base and 1½-in. top Twelfth street between Ninth and Nineteenth, Thirtieth street between Spring and Railroad, and Pine street to depot, all full width; and Spring street between First and Ninth, and Nineteenth street to north city limits, 20 ft. wide.

SACRAMENTO, Cal.—The County Supervisors have awarded a contract to Bartholomew & Keema for the construction of the Sheldon-Sloughhouse road, they being low bidders at \$12,250 or 87½ cents a square yard for paving; 3 cents for overhaul and for building culverts and bridges at cost plus 10%.

EUREKA, Humboldt Co., Cal.—The County Supervisors have rejected bids received for the construction of the fourth section of the Lord-Ellis road, 3.9 miles in length and new bids have been ordered received. Section four has as its terminus Green Point and connects with the Bald Mountain road. Bids were received as follows:
Frank H. Green.....\$19,500
J. N. Lentell.....17,990
Fremont Greenlaw submitted a bid of \$5,700 for 1.09 miles of the road.

SANTA ROSA, Sonoma Co., Cal.—No bids were received by the County Supervisors, Lloyd Aldrich, County Highway Engineer, for the construction of

a stretch of county highway between Sonoma and Schellville and it is probable that the work will be ordered done by days labor under the supervision of the County Highway Engineer, as has been ordered no two other stretches.

SAN JOSE, Cal.—The Santa Clara County Supervisors have awarded contracts for the construction of corrugated iron culverts on Villa Vista avenue; also for pipe drains in Canoas channel along the Monterey road south of San Jose, all in Supervisor District No. 2.

Culverts to Wm. Martin at \$1955.
Drain to Jas. Casley, San Jose \$8,354.

SAN BRUNO, San Mateo Co., Cal.—City Engineer Kneass at the last meeting of the City Trustees reported that he is completing plans and specifications for the new water system planned by the city.

SACRAMENTO, Cal.—On recommendation of Chas. Gilman Hyde, Chief Engineer for the Sacramento filtration project, the following engineers have been appointed by the City Commissioners to assist in working out the project:

Resident engineer, C. C. Gillespie; assistant hydraulic and filtration engineer, H. B. Foster; assistant structural engineer, George J. Calder; assistant mechanical and electrical engineer, E. F. Raber.

The filtration plant will cost \$1,800,000. M. J. Desmond is City Clerk of Sacramento.

SEATTLE, Wash.—The expenditure of \$150,000,000 is planned by the City of Seattle in the adoption of an Ordinance providing for the development of the vast industrial area south of the railroad depots.

Five plans have been submitted by City Engineer Dimock. The first plan submitted is favored and is as follows:

Provides that all of the running tracks of the railways and the railway yards as well shall be raised to such elevation whereby subways can be constructed beneath draining by gravity into sewers. In this plan it is not contemplated that service tracks nor tracks on East Marginal Way and Railroad Avenue shall be raised. The estimated cost of work planned is figured as follows: Retaining walls, \$4,000,000, filling \$2,500,000 subways, viaducts and approaches \$5,500,000. Total \$16,000,000.

LOS ANGELES, Los Angeles Co., Cal.—Geo. H. Oswald, O. T. Johnson Bldg., submitted the lowest bid at approximately \$91,225 for grading and paving Washington street between Arlington avenue and west city boundary. There will be 6532 lin. ft. of paving with 5-in. concrete base, 1-in. asphalt binder and 2-in. asphalt wearing surface, involving 316,316 sq. ft. paving, 57 lin. ft. cement curb, 383 sq. ft. cement sidewalk, 9464 sq. ft. concrete gutter, 4280 sq. ft. granite block gutter, 1855.58 ft. 8-in. 323 ft. 6-in. cement pipe sewers and 680 ft. 6-in. house connection sewers.

Other bidders were: Bryant & Austin, Geo. R. Curtis and Fairchild-Gilmore-Wilton Co.

MERCED, Merced Co., Cal.—The City Trustees, J. D. Wood, City Clerk, has

awarded a contract to A. Teichert & Son, Ochsner Bldg., Sacramento, for the improvement of the alley in Block 86, by grading; constructing concrete curbs and paving with a four-inch hydraulic cement concrete base.

SANTA MONICA, Los Angeles Co., Cal.—J. D. Kneen Contracting Co. of Santa Monica, submitted the lowest bid at approximately \$180,000 for improving Palisades Ave. and Adelaide Drive and portions of Montana, Alta, Marguerita and Georgina Aves., involving 987,872 sq. ft. bitulithic paving, 3006 ft. 36-in. and 42-in. storm drain and 77 reinforced concrete lighting standards with conduits and appurtenances. Los Angeles Paving Co. bid about \$184,000; Fairchild-Elmore-Wilton Co., \$196,000, and W. F. Ducey, \$209,000. The bids were taken under advisement.

ORDERED BY DAY LABOR.

SANTA ROSA, Sonoma Co., Cal.—Bids received by the County Supervisors, Lloyd Aldrich, County Highway Engineer, for construction of section of the highway system have been rejected and the work ordered done by day labor. The bids follow:

Sections A and B, Petaluma-Valley Ford Section.

R. C. Storrie & Co., Section A, concrete pavement, \$198,000; Section B, concrete pavement, \$144,000.
Geo. W. Connors, Section B, concrete pavement, \$184,000; Section B, water bound macadam, \$139,000.

For the Petaluma-Sonoma road, Section A, Storrie Co. bid \$112,000 and A. J. Fairbanks, \$118,000. Bids were received from Bates & Borland, A. J. Fairbanks and George W. Connors on the Healdsburg to Napa unit.

SAN DIEGO, Cal.—Fairchild-Elmore-Wilton Co., Pacific Electric Bldg., Los Angeles, submitted the lowest bid at \$50,067 for improving Granada Ave. between Upas St. and University Ave.

SANTA ANA, Orange Co., Cal.—Wells & Bressler of Santa Ana, were awarded the contract at \$29,238.98 for grading 3.6 miles of County Park road and the contract at \$10,009.87 for paving E. Fourth St. and Tustin Ave. in Fifth road district. J. L. McBride, County Surveyor.

ANAHEIM, Orange Co., Cal.—The State Board of Health has approved plans for a joint outfall sewer for Anaheim and Fullerton to carry sewage from these cities to the ocean. City Engineers O. E. Steward of Anaheim, and George Wells of Fullerton, prepared the plans. The next step will be to secure rights of way after which a bond election will be called.

LOS ANGELES, Cal.—The Board of Public Service, Wm. Mulholland, Chief Engineer, will start work at once on the Stone canyon reservoir as a part of the \$700,000 water system for West-gate District. A construction camp has been erected in the canyon. The work will be done by force account. An earth dam with hydraulic fill, involving about 500,000 cu. yds., will be constructed.

NAPA, Napa Co., Cal.—Up to December 10th, 10 A. M., bids will be received by James A. Daly, County Clerk, for furnishing sand for concrete purposes to the county.

Bids are desired both upon the sand f. o. b. Southern Pacific sidings and also in stock piles at the following stations:

Napa or Union Station, 2800 tons.
Trubody, 3400 tons.
Yountville, 2700 tons.
Oakville, 2500 tons.
Rutherford, 2000 tons.
Zinfandel, 2400 tons.
Barro, 2300 tons.
Bale, 3400 tons.
Callistoga, 1500 tons.

Certified check for 10% payable to Clerk of the Board of Supervisors must accompany each bid.

BAKERSFIELD, Kern Co., Cal.—Until 5 p. m., December 1, bids will be received by City Clerk V. Van Riper for grading and paving N street between Truxton avenue and Twentieth street, and Twentieth street between M and N streets, with 3-inch asphaltic concrete base and 1½-inch Warrenite top; cement curb and gutters and concrete and corrugated iron pipe culverts. Work will be done under the Improvement Bond Act of 1915.

STOCKTON, San Joaquin Co., Cal.—City Commissioner Floyd Kenyon has filed with the City Council a list of projects coming within the scope of his department which must be undertaken within the next few years. The improvements total approximately \$1,729,667, and includes:

Storm sewers for the Searchlight subdivision; Fair Oaks, Yosemite subdivision; Yosemite Terrace and West Weber avenue, estimated cost, \$65,811. Sanitary sewers for Linden road and the construction of the south sewage disposal work, estimated cost, \$89,560.

Subways and crossings, under and above tracks, subways at Fremont St., Miner and Hazelton Aves., North and South Sts., estimated cost, \$500,200. Overhead crossings at South St., Miner and Weber Aves., North and Oak Sts. Estimated cost, \$430,732.

Bridges of concrete construction for several streets crossing Mormon channel, located at San Joaquin, East Washington, El Dorado and Stanislaus streets, including the repair of bridge at Pilgrim street. Estimated cost, \$256,000.

Fills and culverts in Miner Channel at El Dorado, Pilgrim, Stanislaus, and San Joaquin are needed, according to the estimate. A levee along the McDougald canal, west of the woolen mills, a bridge over the canal at Church street and a sewer at that point are essential. McLeod's lake comes in for its share as provision is made for the fixing of the bulkheads. All this is to cost \$28,216.

FRESNO, Fresno Co., Cal.—The City Trustees, Geo. Dillon, City Clerk, have passed a resolution of intention providing for the construction of artificial stone sidewalks in west side of College avenue from the north line of Hedges avenue to the south line of Floradora avenue.

The City Engineer is preparing plans for the construction of side-

walks in Fresno avenue, a distance of six blocks, from the north line of Divisadero street to the south line of Belmont.

OAKLAND, Cal.—The City Council, City Clerk, L. W. Cummings, has passed resolution providing for the construction of a vitrified pipe sewer in 26th avenue between East Ninth and East Tenth streets, same to have an internal diameter of 8 inches, installation of vitrified pipe lampholes and "Y" branches.

VALLEJO, Solano Co., Cal.—Bids will be received by City Clerk Alf. E. Edgumbe up to 11 A. M., December 3, for the purchase of street bonds to finance the improvement of Capitol street from Sonoma to Sutter street by grading, paving, curbing and constructing sidewalks, stairs, drainage and lighting.

The work is provided for under Resolution of Intention No. 52, Series A.

EUREKA, Humboldt Co., Cal.—The City Council has rejected the bid of Padgett & Kelly, Eureka, for grading "A" street between Hawthorne and Long streets at \$6,888.06. Elsemore & Jacobs submitted a bid of \$7,316.88. The Clerk was instructed to re-advertise for bids.

EUREKA, Humboldt Co., Cal.—The City Council has awarded a contract to Elsemore & Jacobs, Eureka, for grading Del Norte street between "C" and "D" streets, the bid being \$3,724.13. Padgett & Kelly submitted a bid of \$4,040.81.

SANTA CRUZ, Santa Cruz Co., Cal.—Up to December 1st, 11 A. M., bids will be received by County Clerk H. H. Miller for furnishing and delivering 3870 barrels of Portland Cement, f. o. b. cars at any point between Santa Cruz and Aptos, delivery to be as required, in not less than car load lots; for 2100 tons, more or less, sand free from organic matter, lapis or equivalent, delivery as above and for 4300 tons, more or less, clean, hard, tough, durable, granite or basalt rock, uniformly graded of a size to pass through a 2-inch screen and shall range from two inches down delivery as above.

Certified check of 10% must accompany each bid.

SEATTLE, Wash.—Mayor C. B. Fitzgerald has directed Thomas F. Murphine, Superintendent of Public Utilities, to submit a report on the transportation situation.

Murphine advocates the construction of a huge terminal building with subway outlets reaching the downtown water front and south end districts. A steel elevated would run from the present elevated at Railroad avenue and Washington street north along Railroad avenue to connect with a tube just south of the Army building which would connect with the terminal station. The cost will run \$10,000,000, of which \$4,000,000 would be spent on terminals.

OAKLAND, Cal.—Up to December 4th, 12 M., bids will be received by City Clerk L. W. Cummings for the con-

struction of cement concrete sidewalks 6 feet wide on the east side of 26th St., (where not already) from the north-west line of Harrison to the southeast line, produced, of that portion of Valdez street that lies between 26th and 28th streets.

FIRE EQUIPMENT

LIVERMORE, Alameda Co., Cal.—The City Trustees have awarded a contract to the Seagrave Co., 461 Market street, San Francisco, for furnishing and delivering to the City one six-cylinder, 120-horse power motor fire engine with a pumping capacity of 600 gallons per minute, the bid being \$10,750.

SACRAMENTO, Cal.—The following bids were received by the City Commissioners, M. J. Desmond, City Clerk, for furnishing 1,000 feet of fire hose:

C. C. C. Fire Hose Co., \$1,200 less 2 per cent for cash in ten days; American-La France Co., \$900 f. o. b. San Francisco, American Rubber Manufacturing Co., \$1,200; Pioneer Rubber Mills, \$1,000; Republic Rubber Mills of California, \$1,150.

The bids were taken under advisement.

REMODELING OLD HOUSES PROFITABLE.

By Carl Warnecke, of Miller & Warnecke, Architects, in the Oakland Tribune.

The immediate demand for moderate priced and yet modern apartments in the Eastbay district, particularly near the industrial centers, has developed a new line of building operations that has proved successful and profitable—the remodeling of well constructed buildings of old type and transforming them into up-to-date apartments. There are quite a number of such buildings scattered through the older parts of this section, and it has proved profitable work for the owners to remodel these buildings to meet the demands of the day.

The owners of buildings of this type have viewed with apprehension their constantly decreasing revenue with increasing depreciation, a condition recognized as due to the fact that tenants today do not merely seek, but demand, modern housing.

Steady increase in manufacturing and the general business growth of the city is resulting in like increase of the worker and co-worker. There is an ever growing demand for two and three-room apartments by those who demand modern housing. Ordinarily it requires a considerable investment to erect an apartment house, and to the man prepared to invest only a few thousand dollars this is a seeming impossibility. A recent careful survey of a number of old residences and flats led us to believe that with a very nominal expenditure such buildings, non-producing, could readily be converted into income producing property, netting a most satisfactory return.

As an instance of the actual result to be obtained is cited a building of obsolete type now producing good revenues. It originally embodied but one home normally renting for \$35 per

month. The condition of the building was such as to make it legitimate prey for the house wrecker. Remodeling involved a cost of only \$6500, yet the owner today has a modern apartment building of six suites, each comprising two or three rooms, each suite exceptionally well lighted and ventilated. The owner receives a rental of \$200 per month or \$2400 per annum. His gross return on the investment is 36 per cent. It is of interest to note that but ninety working days were required to effect the transformation.

INFLUENZA'S TOLL.

NEW YORK.—That influenza epidemic last fall and winter carried off 15,000,000 persons, or 1 per cent of the world's population, and that in this country the mortality was highest among wage workers, are conclusions reached in a paper presented by Drs. Frankel and Dublin, of the Metropolitan Life Insurance Company, before the vital statistics section of the American Public Health Association at New Orleans. The victims for the most part were persons in young adult life, the fathers and mothers of the present generation.

LUMBER MOVEMENT STARTS TO BELGIUM.

First Full Cargo for Building Homes Leaves Puget Sound; Much to Follow.

With the first full cargo of Puget Sound lumber consigned to Belgium for construction of homes in the war-devastated regions the auxiliary powered four-mast schooner Margaret of the Anglo-American Shipping Agency of New York will sail from Seattle within the next two weeks.

The lumber cargo of the Margaret also bears the distinction of being the first to be sent to Belgium since the beginning of the European war. It portends an important movement of Pacific Coast lumber to Europe, say shipping men, where hundreds of millions of feet of lumber will be needed in rehabilitating the devastated districts of France and Belgium.

HOW ABOUT THE BASEMENT?

STOCKTON, Nov. 18.—Only the cement foundation remained this morning where Sunday night stood the nearly completed home being constructed by Edward Cassant of Stockton, at the corner of Taylor and Lincoln streets. Thieves drove up to the place during the night with a large truck, carefully took the building apart and carried it away. They apparently made several trips and were not molested during their operations.

SCHOOLS AND ROADS.

\$12,000 a year for the next twelve years is Plumas County's share of a timber deal just closed between the Clover Valley Lumber Company of Reno, Nevada, and the United States Forest Service at San Francisco.

In order to log the timber it will be necessary, according to Forest Service officials here, to construct approximately 45 miles of logging railroad. Utilization of a portion of the old Boca and Loyalton Railroad, it is said, a possibility.

SOUTHERN CALIFORNIA EDISON COMPANY ASKS NEW BOND ISSUE

To secure funds to carry out development projects made necessary by the hydro-electric situation in Southern California, the Southern California Edison Company has applied to the Railroad Commission for authority to issue bonds to the amount of \$7,500,000. Of this amount \$1,842,000 is to be used to reimburse the company for expenditures already made, and for the improvement and maintenance of its service. It is proposed to sell the bonds at not less than 93 and interest. They are to be listed as general and refunding mortgage 6 per cent, 25 year gold bonds of the series of 1919. In a supplemental petition filed by the Edison Company the commission is asked to amend a previous order so as to permit an exchange of debentures at par for bonds at 97, the amount involved totaling \$1,977,000.

234,000,000 feet of timber on some 17,000 acres in the Clover Valley unit of the Plumas National Forest is involved. The contract, which covers a twelve-year period, calls for a total payment (based on actual scale of the timber as it is cut) of \$576,175. In accordance with Congressional requirements, 25 per cent, or approximately \$144,000, will be paid to Plumas County in lieu of taxes. This money may be used for school and road purposes. The Company is now operating at Loyalton, Cal., which, according to present plans, will be retained as the mill site when the new timber is logged.

Department of Agriculture Provides \$8,384,354 for Rural Post Highways

To provide California with an unexcelled system of rural post roads \$8,384,354.57 in Federal appropriations have been obtained through claims presented by Senator James D. Phelan to the Department of Agriculture.

In addition \$40,000,000 was made available recently by the State for road construction, according to a report submitted to Senator Phelan by Secretary D. F. Houston.

These funds are under the supervision of the State Highway Commission which is formulating plans to rush road construction where most needed through the State.

Further construction is progressing on the highways in and around the national forests of California. Fourteen investigations have been made of such thoroughfares since July 1, 1918, involving 364 miles of new roads.

LOW BIDDER FOR SCHOOL.

PASADENA, Los Angeles Co., Cal.—Daniels & Faris of Pasadena, submitted the lowest bid at \$106,000 on the general contract for the erection of a new two-story brick school building at the William McKinley School site at Pasadena. The bids amount to considerably more than the funds available and will probably be rejected. Additional funds will be provided for the school in the general bond issue for \$2,000,000 which is contemplated by the Board of Education. John C. Austin, 1125 Baker-Detwiler Bldg., Los Angeles, is the architect.

CONTRACTS AWARDED

Liens, Acceptances, Etc.

BUILDING CONTRACTS

San Francisco County

The following is an index for the contracts for this issue.

No.	Owner	Contractor	Am't.
2505	Penziner	Larsen	4000
2506	Carlson	Cohen	700
2507	Suma	Carlson	500
2508	Fraser	Owner	400
2509	Provident	Over Sea Club	900
2510	Urban	Duncan	9400
2511	Union	Scott	3400
2512	Corbett	Hayes	1000
2513	Pastor	Phillips	800
2514	Lunardini	Montani	800
2515	Sprio	Peterson	700
2516	Ruif	Pontanella	8200
2517	Kornbou	Owner	1000
2518	Tsagalakis	Pontanella	4600
2519	Cal Canneries	Klyce	15000
2520	Sutkamp	Wilson	1500
2521	Johnson	Johnson	1000
2522	Goldberg	Spargo	1000
2523	Kirby	Kirby	3000
2524	Lurie	Barrett	3500
2525	Klopstock	Malloch	4000
2526	Lavaga	Hansbrough	12500
2527	Duane	Duane	18000
2528	Perlo	Kincannon	10000
2529	Forderer	Forderer	900
2530	Bingham	Sanborn	900
2531	Buckingham	Coburn	2163
2532	Wickborn	Peterson	1500
2534	Vitt	Persson	1000
2535	Marron	Merritt	1500
2536	Pisani	Merritt	722
2537	Herzog	Merritt	450
2538	Vincent	Merritt	400
2539	Hogan	Hogan	2200
2540	Covick	Merritt	5000
2541	Mendel	Knowles	15000
2542	Hobart	Stockholm	10000
2543	Mariani	Owner	7000
2544	City Coal	Hannah	1000
2545	City Coal	Hannah	3000
2546	Hall	Hall	3000
2547	Weissbein	Meyer	7950
2548	Loezig	Barrett	3000
2549	Kayle	Barrett	900
2550	Schmidt	Sibley	7380
2551	St. Francis Hspl	Owner	40000
2552	Nat'l Dairy	Salanave	4850
2553	Pac. G. & E.	Clinton	14120
2554	Cal. Academy	Uhl	6000
2555	Monita	Anderson	35000
2556	Dunn	Monson	65000
2557	Kingwell	Kingwell	13800
2558	Fraser	Meyer	3975
2559	Hauschildt	Owner	10000
2560	Gibson	Gibson	500
2561	Davenport	Hamerton	3500
2562	Prince	Prince	1500
2563	Lincoln	Woolworth	15000
2564	Figoni	Owner	6000
2565	Nelson	Nelson	3000
2566	Nelson	Nelson	3000
2567	Nelson	Nelson	3000
2568	Nelson	Nelson	3000
2569	Real Epty	Fraser	7900
2570	Parkside Rity	Swanson	11116
2571	Francis	Elvin	5626
2572	Art Tailoring	Schultz	2373

(CORRECTION)

DWELLINGS AND GARAGES

(2504) S NIAGARA AVE 389.55 W Mission W 136xS 80. All work for four one-story frame dwellings and garages.

Owner—Jas. J. Donnelly, Mt. Vernon & Mission, San Francisco.

Architect—A. W. Smith, 1010 Broadway Oakland.

Contractor—Henry Ahnfeldt, 522 Anderson, San Francisco.

Filed Nov. 15, '19. Dated Oct. 23, '19.

Frame up \$500 each

1st coat plaster on 800 each

Completed 800 each

Usual 35 days. 800 each

TOTAL COST, \$12,890

Bond, \$6400. Surety, Globe Indemnity Co. Limit 90 days. Forfeit, plans and specifications, none.

DWELLINGS

(2505) W THIRTY-THIRD AVE 250 and 275 N Balboa. Two two-story and basement frame dwellings.

Owner—A. Penziner 745 Baker, S. F. Architect—None.

Contractor—S. Larsen, 79 Cortland Ave., San Francisco.

COST, \$2000 each

ALTERATIONS

(2506) S CHENERY 50 E Hamilton. Alter for private garage.

Owner—P. Carlson, 26 Montgomery, San Francisco.

Architect—None.

Contractor—Robt. Cohen, 1210½ Divisadero, San Francisco.

COST, \$700

ADDITION

(2507) NO. 725 CALIFORNIA. Add to dwelling.

Owner—Henry Suma, 881 Chenery, San Francisco.

Architect—None.

Contractor—P. Carlsen, 881 Chenery, San Francisco.

COST, \$500

ALTERATIONS

(2508) NO. 3748½ ARMY. Alter for private garage.

Owner—E. G. Fraser, Premises.

Architect—None.

Day's work. COST, \$400

ALTERATIONS

(2509) NO. 420 SUTTER. Interior alterations for club rooms.

Owner—Provident Securities Co., 525 Crocker Bldg., San Francisco.

Architect—None.

Contractor—Over Sea Club, First National Bank Bldg., San Francisco.

COST, \$900

DWELLING

(2510) SE OCEAN AND VICTORIA. Two-story and basement frame dwelling and garage.

Owner—Urban Realty & Improvement Co., Phelan Bldg., San Francisco.

Architect—C. E. Gottschalk, Phelan Bldg., San Francisco.

Contractor—W. C. Duncan Co., 85 Ceritos Ave., San Francisco.

COST, \$9400

REPAIRS

(2511) NOS. 6 AND 10 SECOND AVE. Repair fire damage.

Owner—Union Trust Co., Grant Ave & Market, San Francisco.

Architect—None.

Contractor—F. H. Scott, 1511 Ellis, San Francisco.

COST, \$3400

FRAME STORES

(2512) S IVY 155 W Octavia. One-story frame stores.

Owner—Corbett Estate, Cr. Contractors Architect—None.

Contractor—Hayes-Oser Co., Call Bldg., San Francisco.

COST, \$1000

ALTERATIONS

(2513) NO. 2545 LAKE. Raise and alter dwelling.

Owner—H. E. Pastor, 64 Levant, S. F. Architect—None.

Contractor—J. H. Phillips, 228 23rd Ave., San Francisco.

COST, \$500

ALTERATIONS

(2514) NO. 859 LOMBARD. Alter for flats.

Owner—Pompio Lunardini, 1753 Greenwich, San Francisco.

Architect—None.

Contractor—S. Montani, 1753 Greenwich, San Francisco.

COST, \$800

ALTERATIONS

(2515) NO. 2367 MISSION. Remove stairs and change show windows.

Owner—Spiro Bros, 309 Market, S. F. Architect—None.

Contractor—Antone Peterson, 2722 San Bruno Ave., San Francisco.

COST, \$700

ALTERATIONS

(2516) NO. 1819 OCTAVIA. Alter for private garage.

Owner—J. Ruif, Premises.

Architect—None.

Contractor—L. Fontanella, 1920 Pine, San Francisco.

COST, \$820

FRAME STORE

(2517) NO. 305 PERSIA AVE. One-story frame store.

Owner—Mary E. Kornbou, 412 London, San Francisco.

Architect—None.

Day's work. COST, \$500

FRAME STORE BUILDING

(2518) NW GEARY AND FIFTEENTH AVE W 30xN 100. All work for one-story frame store building.

Owner—George B. Tsagalakis.

Architect—W. H. Crim Jr., 425 Kearny St., San Francisco.

Contractor—Louis Fontanella, 1920 Pine St., San Francisco.

Filed Nov. 13, '19. Dated Nov. 14, '19.

Roof on \$1150

Plaster completed inside & out 1150

Completed and accepted 1150

Usual 35 days. 1150

TOTAL COST, \$4600

Bond, \$2300. Surety, United States Fidelity & Guaranty Co. Limit, 35 days.

Forfeit, none. Plans and specifications filed.

ALTERATIONS

(2519) MINNESOTA & EIGHTEENTH Alterations and additions for cannery and warehouse.

Owner—California Canneries Co., 600

Minnesota, San Francisco.
 Architect—None.
 Contractor—H. A. Klyce, Call Bldg.,
 San Francisco.

COST, \$15,000

FRAME DWELLING

(2520) E FUNSTON AVE 100 S Santiago. One-story and basement frame dwelling.

Owner—Anna C. Sutkamp, 2324 Funston Ave., San Francisco.

Architect—None.

Contractor—Wilson & Balbeani, 2530 29th Ave., San Francisco.

COST, \$1500

ALTERATIONS

(2521) W CHURCH 65 N Valley. Raise and alter dwelling.

Owner—Joel Johnson, 1139 Kansas, San Francisco.

Architect—None.

Day's work.

COST, \$1000

ALTERATIONS

(2522) N POST 150 W Leavenworth. Alter for store.

Owner—Goldberg Bowen Co.

Architect—S. Heiman, 57 Post, S. F.

Contractor—J. Spargo, 240 Montgomery San Francisco.

COST, \$1000

DWELLING

(2523) E TWENTY-SECOND AVE 250 N Geary. One-story and basement frame dwelling.

Owner—J. C. Kirby, 2175 Grove, San Francisco.

Architect—None.

Day's work.

COST, \$3000

AUTOMOBILE BLDG.

(2524) NW VAN NESS AVE AND Clay W 109-9 N 63-104. All work for two story Class "C" automobile building.

Owner—Louis R. Lurie, Mills Bldg., San Francisco.

Architect—Sam L. Hyman, Crocker Bldg., San Francisco.

Contractor—Barrett & Hilp, Sharon Bldg., San Francisco.

Filed Nov. 19, '19. Dated Nov. —, '19.

Excavation completed.....\$1500

Frame completed to 2nd floor..... 8250

Roof on 8250

Completed and accepted..... 8250

Usual 35 days..... 8750

TOTAL COST, \$35,000

Bond, \$17,500. Sureties, Albert Lachman and J. T. Casey. Limit, 90 days.

Forfeit, none. Plans and specifications filed.

REMODELING, ETC.

(2525) NW EIGHTEENTH AND Howard N 25xW 95. Moving, repairing and remodeling two-story and basement frame (2) flats.

Owner—J. D. and F. Klopstock, Prem.

Architect—Mel I. Schwartz, 1202 Nevada Bank Bldg., San Francisco.

Contractor—J. S. Malloch, 180 Jessie, San Francisco.

Filed Nov. 13, '19. Dated Nov. 15, '19.

Foundation in \$1500

Completed and accepted..... 1500

Usual 35 days..... 1000

TOTAL COST, \$4000

Bond, \$2000. Surety, Fidelity & Casualty Co. Limit, 60 days. Forfeit, none.

Plans and specifications filed.

ALTERATIONS

(2526) NOS. 29 TO 34 OCTAVIA. Alter

present flats into apartments.

Owner—De Lavaga Estate Co., 244 California, San Francisco.

Architect—None.

Contractor—Geo. Hansbrough, 380 Bush, San Francisco.

COST, \$12,500

FRAME DWELLINGS

(2527) S SHAFER 235, 250, 275, 300, 325 and 350 W Jennings. Six one-story and basement frame dwellings.

Owner—James A. Duane, 77-A Hoff Ave., San Francisco.

Architect—None.

Day's work

COST, \$3000 each

REPAIR SHOP

(2528) S POST 220 W Larkin. One-story Class "C" repair shop.

Owner—Mrs. F. L. Perigo, Cr. Architect

Architect—C. O. Clausen, Hearst Bldg., San Francisco.

Contractor—J. G. Kincannon, Care

Architect.

COST, \$10,000

STORAGE SHED

(2529) E POTRERO AVE 125 N 16th. One-story frame storage shed.

Owner—Forderer Cornice Works, 269 Potrero Ave., San Francisco.

Architect—None.

Day's work.

COST, \$900

ALTERATIONS

(2530) NO. 325 CLEMENT. Remodel store front.

Owner—Wm. D'ne Premises

Architect—None.

Contractor—L. Sanborn, 71 7th Ave., San Francisco.

COST, \$900

FIXTURES, ETC.

(2531) NO. 25 FIRST. All fixtures and interior finish for reconstruction of store premises.

Owner—Buckingham & Hecht, Prem.

Architect—Sylvain Schnaitacher, 233 Post St., San Francisco.

Contractor—Ira W. Coburn, 180 Jessie, San Francisco.

Filed Nov. 20, '19. Dated Nov. 18, '19.

All work delivered at building.....\$1084

Completed and accepted..... 542

Usual 35 days..... 542

TOTAL COST, \$2168

Bond, \$1084. Sureties, Frank M. Phillips and V. Fassio. Limit, 50 days.

Forfeit, none. Plans and specifications filed.

ALTERATIONS

(2532) NO. 765 MISSION. Alter for store.

Owner—A. F. Decker, Palace Hotel, San Francisco.

Architect—None.

Contractor—Swenson & Franzen, 145 Natoma, San Francisco.

COST, \$1400

FRAME DWELLING

(2533) SE ELSIE AND HOLLY PARK Circle. One-story and basement frame dwelling.

Owner—A. Wickborn, 498 Utah St., San Francisco.

Architect—None.

Contractor—Oscar Peterson, 643-A Capp, San Francisco.

COST, \$1500

ALTERATIONS

(2534) NO. 162 HIGHLAND AVE. Alter and repair dwelling.

Owner—Florence M. Vitt, 122-B High-

land Ave., San Francisco.

Architect—None.
 Contractor—S. Persson, 3795 24th St., San Francisco.

COST, \$1500

FRAME GARAGE

(2535) NO. 2155 BUSH. One-story frame garage.

Owner—J. W. Marron, Premises.

Architect—Geo. M. Merritt, 3411 Geary St., San Francisco.

Contractor—Geo. M. Merritt, 3411 Geary St., San Francisco.

COST, \$1000

ALTERATIONS

(2536) NO. 2518 BUSH. Alter for basement garage.

Owner—Tessie M. Pisani, Premises.

Architect—Geo. M. Merritt, 3411 Geary St., San Francisco.

Contractor—Geo. M. Merritt, 3411 Geary St., San Francisco.

COST, \$722

ALTERATIONS

(2537) NO. 347 SEVENTEENTH AVE. Alter for basement garage.

Owner—M. Herzog, Premises.

Architect—Geo. M. Merritt, 3411 Geary St., San Francisco.

Contractor—Geo. M. Merritt, 3411 Geary St., San Francisco.

COST, \$450

ALTERATIONS

(2538) NO. 351 SEVENTEENTH AVE. Alter for basement garage.

Owner—C. Vincent, Premises.

Architect—Geo. M. Merritt, 3411 Geary St., San Francisco.

Contractor—Geo. M. Merritt, 3411 Geary St., San Francisco.

COST, \$400

FRAME DWELLING

(2539) W CONCORD 406 S Mission. One-story and basement frame dwelling.

Owner—P. Hogan, 915 Pierce St., San Francisco.

Architect—None.

Day's work.

COST, \$2200

ALTERATIONS

(2540) NO. 858 ASHBURY. Alter for basement garage and add sun porch and windows to dwelling.

Owner—J. A. Covick, 1012 Waller St., San Francisco.

Architect—Albert Lapachet, 110 Sutter St., San Francisco.

Contractor—Geo. M. Merritt, 3411 Geary St., San Francisco.

COST, \$5000

ADDITION

(2541) NW ELLIS AND JONES. One story brick addition to present five-story apartments.

Owner—Dr. L. C. Mendel, 415 Jones, San Francisco.

Architect—Grace Jewett, 57 Post St., San Francisco.

Contractor—A. Knowles, Call Bldg., San Francisco.

COST, \$15,000

ADDITION

(2542) NO. 582 MARKET. One-story addition for offices.

Owner—Hobart Estate Co., Hobart Bldg., San Francisco.

Architect—Willis Polk & Co., Hobart Bldg., San Francisco.

Contractor—Chas. Stockholm & Son,
Monadnock Bldg., S. F.

COST, \$10,000

CLASS "A" THEATRE

(2543) W MISSION 263-4 S 29th.

Class "A" motion picture theatre.

Owner—Stephen Mariani, 2881 23rd,
San Francisco.

Architect—Reid Bros., California-Pacifi-
c Bldg., San Francisco.

Various Contractors.

COST, \$70,000

OFFICES

(2544) SE BRANNAN AND FRE-

mont. One-story concrete office.

Owner—City Coal Co., 234 Steuart,
San Francisco.

Engineer—Howard C. Holmes, 112
Market, San Francisco.

Contractor—Hannah Bros., 142 San-
some, San Francisco.

COST, \$10,000

SHED AND BUNKERS

(2545) SE BRANNAN & FREMONT.

One-story frame shed and bunkers.

Owner—City Coal Co., 234 Steuart,
San Francisco.

Engineer—Howard C. Holmes, 112
Market, San Francisco.

Contractor—Hannah Bros., 142 San-
some, San Francisco.

COST, \$30,000

FRAME DWELLING

(2546) W EASTWOOD 45 S Wild-

wood. One-story and basement frame

dwellings.

Owner—C. A. Hall, 1301 4th Ave., San
Francisco.

Architect—None.

Day's work.

COST, \$3000

FRAME DWELLINGS

(2547) W TWENTY-SEVENTH AVE

255-310 N Balboa. Two one-story

and basement frame dwellings.

Owner—Jacob Weissbein, Hobart Bldg
San Francisco.

Architect—None.

Contractor—Meyer Bros., 2628 Anza,
San Francisco.

COST, \$3975 each

ALTERATIONS

(2548) SW WASHINGTON & TAYLOR

Alter present garage to drug store.

Owner—Dolores Loazia, 20 Montgom-
ery, San Francisco.

Plans by Owner.

Contractor—Barrett & Hilp, Sharon
Bldg., San Francisco.

COST, \$3000

ALTERATIONS

(2549) NO. 232 MAPLE. Alter for

basement garage.

Owner—L. M. Kayle, Premises.

Architect—S. E. Newsom, Nevada Bk.
Bldg., San Francisco.

Contractor—Barrett & Hilp, Sharon
Bldg., San Francisco.

COST, \$900

EXCAVATION, ETC.

(2550) ON E SECOND N OF Bryant.

Excavation and grading for addition
to plant.

Owner—Schmidt Lithograph Co., Prem.
Constr. Mgr.—Frederick Whitton, 369

Pine St., San Francisco.

Contractor—Sibley Grading & Teaming
Co., 284 Dolores St., San Francisco

Filed Nov. 21, '19. Dated Nov. 17, '19.

On 10th of each month..... 75%

Usual 35 days..... 25%

TOTAL COST, \$7390

Bond, \$695. Sureties, Chas. H. Hock
and L. B. Sibley. Limit, 53 days. For-
feit, none. Plans and specifications
filed.

HOSPITAL

(2551) NE BUSH AND HYDE.. Six-
story reinforced concrete class B
hospital.

Owner—St. Francis Hospital Co., Prem.
Architect—A. C. Coffey, Humboldt

Bank Bldg., San Francisco.

Day's work.

COST, \$400,000

ALTER AND ADD

(2552) NO. 654 FULTON. Alter and

add for dairy.

Owner—National Dairy Co., Premises.

Architect—None.

Contractor—J. Salanave, 931 Pacific St.,
San Francisco.

COST, \$4850

CONCRETE WORK

(2553) SE HOWARD AND FIFTH STs.

Reinforced concrete work only for
garage and warehouse, 155x188.

Owner—Pacific Gas & Electric Co., 445
Sutter, San Francisco.

Architect—Wm. Knowles, 1301 Hearst
Bldg., San Francisco.

Contractor—Clinton Construction Co.,
140 Townsend, San Francisco.

COST, \$114,120

ADDITION

(2554) S MARKET 195 W 4th. Erect
concrete frame for extension of ele-
vator shaft.

Owner—California Academy of Sci-
ences, Golden Gate Park, S. F.

Architect—Lewie P. Hobart, Crocker
Bldg., San Francisco.

Contractor—Adolph Uhl, 38 O'Farrell,
San Francisco.

COST, \$6000

DWELLINGS

(2555) S JOOST — E Hamburg.

Twelve one-story and basement
frame dwellings, 24x38 each.

Owner—Monita Investment Co., 624
Phelan Bldg., San Francisco.

Architect—A. W. Smith, 1010 Broad-
way, Oakland.

Contractor—M. A. Anderson, 1927 Napa
Ave., Berkeley.

COST, \$3000 each

BUILDING

(2556) S SUTTER 60 E Mason. Two-
story and basement reinforced con-
crete class C show rooms, 60x127-6.

Owner—Wm. F. Dunn, Crocker Bldg.,
San Francisco.

Architect—S. Helman, 57 Post St., San
Francisco.

Contractor—Monson Bros, 1907 Bryant,
San Francisco.

COST, \$65,000

DWELLINGS

(2557) W PLYMOUTH 216 S Monte-
cito. Two one-story and basement
frame dwellings.

Owner—John J. Kingwell, 401 Butler
Bldg., San Francisco.

Architect—Chas Strothoff, 2276 15th,
San Francisco.

Contractor—Kingwell Bros., 444 Natio-
ma, San Francisco.

COST, \$6900 each

DWELLING

(2558) E TWENTY-FOURTH AVE 300
N Balboa. One-story and basement

frame dwelling.

Owner—Simon Fraser.

Architect—None.

Contractor—Meyer Bros., 2628 Anza St.,
San Francisco.

COST, \$3975

ALTERATIONS

(2559) NO. 140 O'FARRELL. Erect
phonograph booths, add mezzanine
floor and install freight elevator.

Owner—Hauschildt Music Co., 111
Kearny St., San Francisco.

Architect—A. A. Pyle, 1794 Hayes St.,
San Francisco.

Day's work.

COST, \$10,000

ALTERATIONS

(2560) NO. 800 BAY. General altera-
tions for store.

Owner—Robt. Gibson, Premises.

Architect—None.

Day's work.

COST, \$500

ADDITION

(2561) NW SAN LEANDRO WAY and
Monterey Blvd. Add three rooms and
garage to dwelling.

Owner—D Davenport, Premises.

Architect—Julia Morgan, Merchants
Exchange Bldg., Presises.

Contractor—Wm. C. Hamerton & Son,
1301 Waller, San Francisco.

COST, \$3500

SHOPS

(2562) W VALENCIA 107 N 24th. One-
story class C (2) shops, 62x90.

Owner—E. L. Prince, 1234 Eddy, San
Francisco.

Architect—Martin A. Sheldon, 110 Sut-
ter, San Francisco.

Day's work.

COST, \$9500

ALTERATIONS

(2563) NOS. 31, 35, 39, 43, 47 FIFTH
Remove and re-arrange partitions;
store fronts, etc., for store.

Owner—Lincoln Realty Co., Mills Bldg.,
San Francisco.

Architect—None.

Contractor—F. W. Woolworth Co., 410
Rialto Bldg., San Francisco.

COST, \$15,000

FRAME FLATS

(2564) S GREEN 55 E Baker. Three-
story and basement frame (3) flats.

Owner—A. Figoni, 2631 Baker, S. F.

Architect—None.

Day's work.

COST, \$6000

FRAME DWELLING

(2565) E FORESTSIDE 210 S Ulloa.

Two-story and basement frame dwlg.

Owner—Fernando Nelson & Sons, 2
West Portal Park, San Francisco.

Architect—None.

Day's work.

COST, \$3000

FRAME DWELLING

(2566) W MADRONE 181 N Vincente.

Two-story and basement frame dwlg.

Owner—Fernando Nelson & Sons, 2
West Portal Park, San Francisco.

Architect—None.

Day's work.

COST, \$3000

FRAME DWELLING

(2567) S VINCENTE 70 W Wawona.

Two-story and basement frame dwlg.

Owner—Fernando Nelson & Sons, 2
West Portal Park, San Francisco.

Architect—None.

Day's work.

COST, \$3000

FRAME DWELLING

(2568) W WAWONA 175 N Vicente.

Two-story and basement frame dwlg.

Owner—Fernando Nelson & Sons, 2
West Portal Park, San Francisco.

Architect—None.

Day's work.

COST, \$3000

IMPROVEMENTS

(2569) SW MONTGOMERY & SUTTER.

Temporary improvements for offices
and stores.

Owner—Real Property Investment Co.,

902 1st National Bank Bldg., S. F.
 Architect—None.
 Contractor—Gracie & Bernieri, Claus
 Spreckels Bldg., San Francisco.
 COST, \$3700

FRAME RESIDENCES
 (2570) E THIRTY-THIRD AVE 125 N
 Taraval N 25x E 120; W Thirty-third
 Ave 125 S Taraval S 25x W 120. All
 work for two frame residences.
 Owner—Parkside Realty Co., Crocker
 Bldg., San Francisco.

Architect—None.
 Contractor—Ernest Swanson, 311 Low-
 ell St., San Francisco.
 Filed Nov. 22, '19. Dated No. 14, '19.
 Frame work completed.....\$2779
 Enclosed and brown coated.....2779
 Completed.....2779
 Usual 35 days.....2779

Bond, none. Limit, 90 days. Forfeit,
 \$10. Plans and specifications filed.

ALTERATIONS
 (2571) INT. N PACIFIC AND SW
 Columbus Ave W 40-2 1/2 N 48.30 SE
 62.95. All work for alterations to
 building.

Owner—D. Francis Premises.
 Architect—Albert Fabre and Alfred
 Pyle, 110 Sutter, San Francisco.
 Contractor—Arthur Elvin, 110 Jessie,
 San Francisco.

Filed Nov. 22, '19. Dated Nov. 21, '19.
 Elevator shaft & show windows
 roughed in and painted.....\$2108
 Completed and accepted.....2108
 Usual 35 days.....2108

Bond, none. Limit, 40 days. Forfeit,
 \$10. Plans and specifications filed.

ALTERATIONS
 (2572) NO. 34 MASON. Alterations
 and additions to building.
 Owner—Art Tailoring Co., Premises.
 Architect—Norman H. Coulter, 46 Kear-
 ny St., San Francisco.

Contractor—Schultz Constr. Co., 46
 Kearny St., San Francisco.
 Filed Nov. 22, '19. Dated Oct. 10, '19.
 Completed.....\$1779
 Usual 35 days.....594

Bond, none. Limit, 40 days. Forfeit,
 none. Plans and specifications filed.

COMPLETION NOTICES

San Francisco County

Nov. 15, 1919—N MISSION 230 E 2nd
 E 82 N 100 W 14 N 87-6 W 45 S 60
 W 1 S 23-9 W 2 S 102-9. Robert
 Dalziel Co to Palmer & Petersen
 Nov. 15, 1919—E GREENWICH 29th
 Union C A Fyville and P A Brice
 to Otto Carson Nov. 15, 1919
 Nov. 18, 1919—NE EIGHTH 245 SE
 Folsom E 30xN 120 V H
 Robinson to Butler & Reilly.....
 Nov. 18, 1919—PTN. LOTS 7 and 8
 Plk 3164, Westwood Park. Hilding
 Anderson to Anderson & Johnson.....
 Nov. 18, 1919—SW GEARY 29th
 Ave. 32x100. Anna Sattler to Fred
 Warden.....Oct. 25, 1919
 Nov. 19, 1919—N POST 70 W Leaven-
 worth, W 40xV H Paulina Schoen-
 berg to Harry E. Drake, Nov. 17, '19
 Nov. 19, 1919—COMG. 80 S AND 40W
 from SW Humboldt and Louisiana,
 850xW Pacific Gas & Electric
 Co. to J. T. & J. L. Thorpe.....
 Nov. 20, 1919—LEWIS ST 7 and 8
 Wood Park. Hans Nelson to Nelson
 Bros.....Nov. 19, 1919
 Nov. 20, 1919—E TWENTY-FIRST
 Ave 100 S Balboa.....Nov. 18, 1919
 to Karl Holmgren.....Nov. 20, 1919
 Nov. 20, 1919—E TWENTY-FIRST
 Ave 100 S Balboa. O A Anderson
 to Karl Holmgren.....Nov. 20, 1919
 Nov. 20, 1919—S BUSH 34 W Brod-
 erick 32x100. Addie T and Chas
 E Pinkham to Alfred Dahl.....
 Nov. 20, 1919—LOT 6 BLK 3197,
 Westwood Park. Mary Anne
 Houston to Nels P Johnson.....
 Nov. 21, 1919—NO. 101 WALNUT ST.
 J. W. Polhemus to F. P. Reilly.....
 Nov. 21, 1919—NO. 18, 1919
 Nov. 21, 1919—SW BUCHANAN AND
 Sacramento W 87-6xS 64-8 1/2.
 Sophie Grannis to whom it may

concern.....Nov. 20, 1919
 Nov. 21, 1919—S GEARY 92-6 W
 Powell E 46xS 137-6. T. W. Cor-
 der incorporated to Richard J. H.
 Forbes, J. A. Korbell Co. Nov. 15, '19

LIENS FILED.

Nov. 12 1919—N GEARY 191-3 E
 Fillmore E 55xN 137-6. Wm Ben-
 nett to L. L. Greenwald L 52xS 55
 Nov. 15, 1919—S HILL 25 W Sanchez
 W 25xS 76-6. Henry Feige vs
 Lillie E Randolph.....\$54.20
 Nov. 15, 1919—N HAYMOND AVE 50
 E Rutland E 50xN 100, Blk 51, Reis
 Tract. Edwin O Pearson vs Thos
 McQuade.....\$64.50

Nov. 19, 1919—N FELL 100 E Shra-
 der N 100xW 100. John D. Hoff
 as John D. Hoff Asbestos Co. vs.
 Wm. J. Daum, W. J. Daum, J. C.
 Dowling & Co., Fred Braun, M. C.
 Henderson, F. N. Biggam and W J
 Dowling.....\$67.95

LEASES.

San Francisco County.

Nov. 17, 1919—NW MARKET 102-1 1/2
 NE Golden Gate SE 50 NW 59-9 W
 52-1 1/2 SE 80-10. Louis Fried-
 lander to Irving C Ackerman and
 Samuel Harris (as Ackerman & Har-
 ris), 50 years.....\$131,000
 Nov. 17, 1919—W TWENTY-EIGHTH
 Ave 275 N Geary. Arthur J and
 Gertrude A Falvey to Wm and E
 Lytle Woodfield, 28 months.....\$1540.
 Nov. 17, 1919—NO. 1239 POLK. Chas
 Bliss to Robt and Mary Dodds. 3
 years. \$5220.

Nov. 17, 1919—NO. 273 TWELFTH.
 Verein Eintracht to H A Wilson and
 P R Jansen (as Wilson & Jansen). 2
 years. \$960.
 Nov. 18, 1919—NO. 2045 DIVISADERO.
 J B Enzier to W O Purdy and A W
 Bagot. Sept. 1, 1921. \$35 per month.
 Nov. 18, 1919—NO. 21 MISSION E
 line bet. 17th and 18th. Provident
 Security Corp to Heine Piano Co 5
 years. \$6300.

Nov. 19, 1919—42 PALM AVE.
 John P Mues to W S Howard. 15
 months. \$85 per month.
 Nov. 19, 1919—SW GREENWICH AND
 Leavenworth. Greenwiche Terrace
 Household Ass'n to Jennie, Mamie
 and Callie Huff. \$20 per month.
 Nov. 19, 1919—NO. 2990 MISSION N
 line near 26th. Antone and Juliana
 Lubmir to Anton Musich and W R
 Jewski. 5 years. \$100 per month.
 Nov. 20, 1919—NO. 1141 ST. CECILIA.
 Adelina and Arthur Podesta to Nick
 Scaros and Geo. Leavis; 2 years,
 \$2280.

Nov. 21, 1919—N POST 70 W Leaven-
 worth N 60xW 40. Louis and Pau-
 line Schoenberg to A. M. Berg and
 L. B. Brynart, as Berg-Bryant Tire
 Co.; 5 years, \$12,000.
 Nov. 21, 1919—NOS. 1319 and 1325 Van
 Ness Ave. 60x155 to Fern Ave. Lo-
 gan, Edward Walter C to Vincent J.
 Cox; assigned Nov. 19, 1919, to San
 Francisco Auto Sales Co.; 2 years 9
 months; \$18,150.

Nov. 21, 1919—NO. 173 PALM AVE.
 Chas. L. and Nonie Heller to Maurice
 H. Knox; 2 years; \$90 month.

NOTICE OF NON-RESPONSIBILITY.

San Francisco County.

Nov. 19, 1919—N PACIFIC AND SW
 Montgomery N 40-2 1/2 N 48.30 SE
 62.95. Chas Carpy as to improve-
 ments on leased property.....
 Nov. 20, 1919—NO. 138-140 O'FAR-
 rell. Jos Mulfanti as to improve-
 ments on leased property.....

BUILDING CONTRACTS

Alameda County

No.	Owner	Contractor	Amt.
3510	Williams	Williams	2500
3511	Hancock	Hancock	4000
3512	Deer	Marquis	4000
3513	Glacier	Peterson	4500
3514	Hussey	Owner	1000
3515	Fisher	Malley	5000

3516	Baker	Baker	5000
3517	Begier	Begier	2750
3518	Day	Irish	1500
3519	Moller	Peterson	400
3520	Werum	Legris	425
3521	Hill	Olsen	800
3522	Dempsey	Powder	400
3523	Burrell	Barks	400
3524	Cox	Malley	1000
3525	Covell	Mason	500
3526	Rice	Anderson	1000
3527	Armstrong	Westlund	1400
3528	Kroska	Kroska	3000
3529	Still	Tanner	3000
3530	Neustader	Jensen	5000
3531	Athenian Club	Owner	3000
3532	Patton	Hansson	2800
3533	Noble	Noble	2500
3534	City of Okd	Bd Ed	2000
3535	Beaglatio	Field	400
3536	Rid	Anderson	4800
3537	Wood	Connor	11300
3538	Gay	Waddell	1350
3539	Bruck	Bruck	2500
3540	Johnson	Johnson	2000
3541	Korn	Johnson	600
3542	Montenegro	Warren	7000
3543	Mott	Mott	600
3544	Button	Button	400
3545	Elyk Bd Ed	Owner	450
3546	Fitch	Randlett	450
3547	Pritchard	Hammond	500
3548	Cannell	Edwards	500
3549	Smith	MacGregor	5995
3550	Same	Same	5500
3551	Same	Same	2995
3552	Same	Same	2995
3553	Smith	Owner	7000
3554	Shell	Gutleben	2000
3555	Owner	Owner	5000
3556	Money	Money	2500
3557	Heibold	Motts	475
3558	Guld	MacGregor	800
3559	Western Can'g	Turner	5000
3560	Western Can'g	Turner	3210
3561	Neustader	Jensen	5295
3562	College Av Meth	Thaxter	6000
3563	Drago	Toso	500
3564	Wallisch	Owner	600

DWELLING

(3510) S QUIGLEY 252 E Charles,
 Oakland. One-story 5-room dwlg.
 Owner—Mina M. Williams, 3369 Per-
 alta Ave., Oakland.

Architect—None.
 Contractor—E. R. Williams, 3369 Per-
 alta Ave., Oakland.

COST, \$2500

DWELLING

(3511) W PARK BLVD 200 N Green-
 wood, Oakland. One-story 5-room
 dwelling.

Owner—J. E. Hancock, 1124 Hampel,
 Oakland.

Architect—None.
 Day's work.....

COST, \$2400

RESIDENCE

(3512) MAGNOLIA AVE., Piedmont.
 Two-story frame residence.

Owner—Dr Dean.
 Architect—None.

Contractor—E. M. Marquis, 2827 Rus-
 sell, Berkeley.

COST, \$4000

RESIDENCE

(3513) PALA AND MONTE AVES.,
 Piedmont. Two and one-half-story
 frame residence.

Owner—F. M. Glacier.
 Architect—None.

Contractor—A. Peterson, 3918 Linwood
 Ave., Oakland.

COST, \$4500

ADDITION

(3514) NO 215 SAN CARLOS AVE.,
 Piedmont. Three room addition to
 residence.

Owner—W. M. Hussey, Premises.
 Architect—None.

Day's work.....

COST, \$1000

DWELLING

(3515) N LAKE PARK AVE 300 E
 Grand Ave., Oakland. Two-story 7-
 room dwelling.

Owner—H. Fisher, 11th and Fallon, Oakland.
 Architect—None.
 Contractor—F. T. Malley, 501 Santa Ray Ave., Oakland.
 COST, \$5000

DWELLING
 (3516) S ERIE 80 E Prince, Oakland
 Two-story 7-room dwelling.
 Owner—W. J. Barker, 546 30th, Oakland.
 Architect—None.
 Day's work.
 COST, \$5000

DWELLING
 (3517) W NINETY-NINTH AVE 129 S E-14th, Oakland. One-story 4-room dwelling.
 Owner—L. H. Begier, 1525 Stanley Ave., Oakland.
 Architect—None.
 Contractor—Henry H. Begier, 748 E-14th St., San Leandro.
 COST, \$2750

ALTERATIONS
 (3518) NE FOURTH AND WEBSTER, Oakland. Alterations and repairs.
 Owner—Day & Gimbal, 1420 Jackson, Oakland.
 Architect—None.
 Contractor—H. E. Irish, Alameda.
 COST, \$1500

GARAGE
 (3519) NO. 700 ARIMO AVE., Oakland Garage.
 Owner—F. D. Moller, Premises.
 Architect—None.
 Contractor—Alfred Peterson, 3918 Lenwood Ave., Oakland.
 COST, \$400

ADDITION
 (3520) NO. 2859 BROOKDALE AVE., Oakland. Addition.
 Owner—B. Werum.
 Architect—None.
 Contractor—L. H. Legris, 2600 Fruitvale Ave., Oakland.
 COST, \$425

ALTERATIONS
 (3521) NO. 1561 JACKSON, Oakland. Alterations.
 Owner—Mr. Hill, Premises.
 Architect—None.
 Contractor—Oscar Olsen, 4351 Howe, Oakland.
 COST, \$800

GARAGE
 (3522) NO. 371 OAKLAND AVE., Oakland. Garage.
 Owner—Mrs. James Dempsey, 375 Walsworth Ave., Oakland.
 Architect—None.
 Contractor—J. J. Power, 774 20th, Oakland.
 COST, \$400

GARAGE
 (3523) NO. 345 PALM AVE., Oakland. Garage.
 Owner—A. Burrell, Premises.
 Architect—None.
 Contractor—C. E. Burks, 4152 Randolph Ave., Oakland.
 COST, \$400

ALTERATIONS
 (3524) SE THIRTIETH AVE AND E-14th, Oakland. Alterations.
 Owner—Cox & Freeman and Roach & Freeman, Premises.
 Architect—None.

Contractor—F. T. Malley, 3007 Grove, Oakland.
 COST, \$1000

REPAIRS
 (3525) NO. 2022 OXFORD, Berkeley. Fire repairs.
 Owner—Miss M. E. Covell, Premises.
 Architect—None.
 Contractor—Mason McDuffie Co., Shattuck and Addison, Berkeley.
 COST, \$500

DWELLING
 (3526) CATALINA AND ALAMEDA, Berkeley. One-story 6-room dwlg.
 Owner—H. C. Reed, 1214 Oxford, Bkly.
 Architect—W. M. Morrison, San Francisco.
 Contractor—Geo. W. Anderson, 634 16th St., Oakland.
 COST, \$4800

APARTMENTS, ETC.
 (3527) SE MAIN AND "A" 50x100, Hayward. All work for two-story reinforced concrete garage and apartments.
 Owner—Sarah M. Armstrong, Hayward
 Architect—Sidney B. Newsum, Nevada Bank Bldg., San Francisco.
 Contractor—Fred J. Westlund, 2207 10th Ave., Oakland.
 Filed Nov. 17, '19. Dated Nov. 15, '19.
 Walls up 3/4
 Roof on 3/4
 Completed 3/4
 Usual 35 days 3/4
 TOTAL COST, \$14,000
 Bond, none. Limit, 60 days. Forfeit, \$5. Plans and specifications filed.

DWELLING
 (3528) E THE ALAMEDA 100 W Milvia, Berkeley. One-story 5-room dwelling.
 Owner—M. E. Krosca, 1022 Shattuck Ave., Berkeley.
 Architect—None.
 Contractor—E. I. Krosca, 1022 Shattuck Ave., Berkeley.
 COST, \$3000

DWELLING
 (3529) HOPKINS AND CORNELL, Berkeley. One-story 6-room dwlg.
 Owner—W. A. Still, 1408 Kains Ave., Berkeley.
 Architect—None.
 Contractor—F. Tanner, 1118 Delaware, Berkeley.
 COST, \$3000

ADDITION
 (3530) NE E-EIGHTEENTH AND 12th Ave., Oakland. One-story addition to factory.
 Owner—Neustader Bros., Inc., 62 First St., San Francisco.
 Architect—S. Schnaitacher, 233 Post St., San Francisco.
 Contractor—G. P. W. Jensen, 320 Market St., San Francisco.
 COST, \$5000

ALTERATIONS
 (3531) NW FOURTEENTH AND Franklin, Oakland. Alterations.
 Owner—Athenian Nile Club, Premises.
 Architect—Walter J. Mathews, 927 Broadway, Oakland.
 Day's work.
 COST, \$3000

DWELLING
 (3532) NO. 481 STOW AVE., Oakland.

One and one-half-story dwelling and garage.
 Owner—Mrs. M. E. Patton, Premises.
 Architect—Chas. W. McCall, Central Bank Bldg., Oakland.
 Contractor—Louis O. Hansson, 1309 Bonita Ave., Berkeley.
 COST, \$2800

DWELLING
 (3533) S THIRTY-FIFTH 520 W Telegraph Ave., Oakland. One-story six-room dwelling.
 Owner—G. H. Noble, 2205 Santa Clara Ave., Oakland.
 Architect—None.
 Day's work.
 COST, \$2800

ADDITION
 (3534) PERRY AND VAN BUREN, Oakland. Two-story addition to school.
 Owner—City of Oakland.
 Architect—None.
 Contractor—Board of Education, City Hall, Oakland.
 COST, \$2000

ADDITION
 (3535) NO. 3105 BOEHLER, Oakland. Addition.
 Owner—F. Bebagliatto, Premises.
 Architect—None.
 Contractor—John Field, 590 63rd, Okd.
 COST, \$400

DWELLING
 (3536) CATALINA AND ALAMEDA, being part, Lot 4, Blk 8, Thousand Oaks Station Tract, Berkeley. All work for six-room dwelling.
 Owner—H. C. Reid, 1219 Oxford St., Berkeley.
 Architect—Milton W. Morrison, 716 41st Ave., San Francisco.
 Contractor—George W. Anderson, 634 16th St., Oakland.
 Filed Nov. 19, '19. Dated Nov. 5, '19.
 Frame up 3/4
 Plastered 3/4
 Completed and accepted 3/4
 Usual 35 days 3/4
 TOTAL COST, \$4800
 Bond, Sureties, Forfeit, none. Limit, February 5, 1920. No plans or specifications filed.

DWELLING
 (3537) W WARRING 375 S Dwight Way, S 50xW 135, Berkeley. All work for two-story frame dwelling.
 Owner—Arthur B. Wood.
 Architect—W. H. Ratcliff, Jr., First National Bank Bldg., Berkeley.
 Contractor—Connor & Connor, 2105 Berkeley Way, Berkeley.
 Filed Nov. 19, '19. Dated Nov. 19, '19.
 First of each month 75%
 Usual 35 days 25%
 TOTAL COST, \$11,350
 Bond, Sureties, none. Forfeit, \$5.00. Limit, 85 days. Plans and specifications filed.

ADDITION
 (3538) NO. 270 ATHOL AVE., Oakland. Addition.
 Owner—Lucy E. Gay, Premises.
 Architect—None.
 Contractor—R. P. Waddell, 313 Newton Ave., Oakland.
 COST, \$1350

DWELLING
 (3539) E FORTIETH AVE 150 S E-14th, Oakland. One and one-half-story 6-room dwelling.

Owner—Theo. Bruck, 1240 40th Ave., Oakland.
 Architect—None.
 Day's work. COST, \$2500

DWELLING
 (3540) N E-TWENTY-SECOND 400 W Fruitvale Ave., Oakland. One-story 4-room dwelling.
 Owner—Hanna A. M. Johnson, 283 9th St., Oakland.
 Architect—None.
 Contractor—A. M. Johnson, 283 9th St., Oakland.
 COST, \$2000

ADDITION
 (3541) NO. 6025 LAWTON AVE., Oakland. Addition.
 Owner—J. Korn.
 Architect—None.
 Contractor—Peter Johnson, 1111 Alice, Oakland.
 COST, \$590

DWELLING
 (3542) E WINSOR AVE 100 N Howard Road, Oakland. Two-story 6-room dwelling.
 Owner—Dr. Montenegro, 1001 Winsor Ave., Oakland.
 Architect—A. W. Smith, 1010 Broadway, Oakland.
 Contractor—C. H. Warren, 2615 Derby, Berkeley.
 COST, \$7000

ADDITION
 (3543) NO. 2339 ELLSWORTH, Berkeley. Addition.
 Owner—James Mott, 536 44th, Berkeley.
 Architect—None.
 Day's work. COST, \$600

GARAGE
 (3544) NO. 1069 MARIPOSA AVE., Berkeley. Garage.
 Owner—F. Button, Premises.
 Architect—None.
 Day's work. COST, \$400

SCHOOL
 (3545) WARD AND CALIFORNIA, Berkeley. One-story school.
 Owner—Berkeley Board of Education, 2133 Allston Way, Berkeley.
 Architect—None.
 Day's work. COST, \$950

GARAGE
 (3546) NO. 1307 BAY ST., Alameda. Garage.
 Owner—Russell Field, Premises.
 Architect—None.
 Contractor—E. Randlett, 1534 Chestnut, Alameda.
 COST, \$450

ALTERATIONS
 (3547) NO. 2153 SANTA CLARA AVE., Alameda. Alterations.
 Owner—Mrs. A. Pritchard, Premises.
 Architect—None.
 Contractor—Jas. Hammond, 2709 Central Ave., Alameda.
 COST, \$550

ALTERATIONS
 (3548) NO. 2433 WEBB AVE., Alameda. Alterations.
 Owner—Mrs. L. Camales, Premises.
 Architect—None.
 Contractor—J. P. Edwardson, 2433 Webb Ave., Alameda.
 COST, \$300

DWELLINGS
 (3549) E HUMBOLDT 40 and 80 N Brookdale, Oakland. Two one-story 5-room dwellings.
 Owner—Gladys M. Smith, Oakland Bk. of Savings Bldg., Oakland.
 Architect—None.
 Contractor—C. M. MacGregor, 470 13th St., Oakland.
 COST, \$2998 each

DWELLINGS
 (3550) E HUMBOLDT AVE 37, 75 and 112 N Deering, Oakland. Three one-story 4-room dwellings.
 Owner—Gladys M. Smith, Oakland Bk. of Savings Bldg., Oakland.
 Architect—None.
 Contractor—C. M. MacGregor, 470 13th St., Oakland.
 COST, \$2750 each

DWELLING
 (3551) NE HUMBOLDT AND BROOKDALE, Oakland. One-story 5-room dwelling.
 Owner—Gladys M. Smith, Oakland Bk. of Savings Bldg., Oakland.
 Architect—None.
 Contractor—C. M. MacGregor, 470 13th St., Oakland.
 COST, \$2998

DWELLING
 (3552) NE HUMBOLDT AND DEERING, Oakland. One-story 5-room dwelling.
 Owner—Gladys M. Smith, Oakland Bk. of Savings Bldg., Oakland.
 Architect—None.
 Contractor—C. M. MacGregor, 470 13th St., Oakland.
 COST, \$2998

DWELLING
 (3553) SE ALMA AND EXCELSIOR Aves., Oakland. Two-story 9-room dwelling.
 Owner—M. F. Smith, 436 Moss Ave., Oakland.
 Architect—None.
 Day's work. COST, \$7000

ADDITION
 (3554) NE ELEVENTH AND CLAY, Oakland. One-story addition to gas station.
 Owner—Shell Co. of California.
 Architect—Chester H. Miller, New Call Bldg., San Francisco.
 Contractor—Gutleben Bros., New Call Bldg., San Francisco.
 COST, \$2000

DWELLING
 (3555) W MERRITT AVE 203 N Cleveland, Oakland. One-story 6-room dwelling.
 Owner—R. N. Brodie, 492 Stow Ave., Oakland.
 Architect—A. J. Yerrick, 5255 College Ave., Oakland.
 Day's work. COST, \$5000

DWELLING
 (3556) E SIXTY-THIRD AVE 40 N Avenal Ave., Oakland. Two-story 6 room dwelling.
 Owner—Elizabeth Money, 1214 E-17th, Oakland.
 Architect—None.
 Contractor—W. C. Money, 1214 E-17th, Oakland.
 COST, \$2500

ADDITION
 (3557) NO. 2423 MYRTLE, Oakland. Addition.
 Owner—E. J. Heibold, 2325 Myrtle St., Oakland.
 Architect—None.
 Contractor—J. F. Motts, 565 55th, Okd.
 COST, \$475

REPAIRS
 (3558) NO. 2403 ELEVENTH AVE., Oakland. Fire repairs.
 Owner—D. Guild, Premises.
 Architect—None.
 Contractor—J. R. MacGregor, 731 60th, Oakland.
 COST, \$800

PLUMBING
 (3559) NW COR Park Ave and Harlan St., Emeryville. Plumbing work for two-story class C office building.
 Owner—Western Canning Co., acting through agent P. J. Walker Co., Monadnock Bldg., San Francisco.
 Architect—Geo. W. Kelham, Sharon Bldg., San Francisco.
 Contractor—The Turner Co., 272 Natoma St., San Francisco.

Filed Nov. 21, '19. Dated Nov. 19, '19
 Monthly 75%
 Usual 35 days 25%
 TOTAL COST, \$5080
 Bond, \$2540. Sureties, Globe Indemnity Co. Forfeit, Limit, none. Plans and specifications filed.

HEATING AND VENTILATING
 (3560) HEATING & VENTILATING on above.
 Contractor—Same as above.
 Filed Nov. 21, '19. Dated Nov. 19, '19
 Same as above. TOTAL COST, \$3210
 Bond, \$1605. Sureties, Globe Indemnity Co. Forfeit, Limit, none. Plans and specifications filed.

ADDITION
 (3561) NE EIGHTEENTH ST and NW 12th Ave. NW 75xNE 109.70, Oakland. Frame addition to factory.
 Owner—Neustadtter Bros., 62 First St., San Francisco.
 Architect—Sylvain Schnaittacher, 233 Post St., San Francisco.
 Contractor—G. P. W. Jensen, 320 Market St., San Francisco.
 Filed Nov. 20, '19. Dated Nov. 15, '19.
 Frame up and roof boarded...\$2648
 Completed and accepted 1324
 Usual 35 days 1324
 Bond, \$2648. Sureties, H. M. Schneider and Frederick W. Snook. Forfeit, \$10. Limit, 30 days. Plans and specifications filed.

(3562) S WEBSTER 178 E College Ave., Berkeley. Two-story 9-room dwelling.
 Owner—College Avenue Methodist Church.
 Architect—None.
 Contractor—F. W. Thaxter, 1703 Virginia, Berkeley.
 COST, \$6000

ADDITION
 (3563) NO. 925 SEVENTH, Oakland. Addition.
 Owner—Joe Drago, Premises.
 Architect—None.
 Contractor—A. Toso, 829 Myrtle, Okd.
 COST, \$500

ADDITION
 (3564) NO. 1920 NINETY-SECOND AV, Oakland. Addition.
 Owner—John Wallisch, Premises.
 Architect—None.
 Day's work. COST, \$600

COMPLETION NOTICES

Alameda County

Nov. 14, 1919—SE FORTY-SEVENTH Ave and SW Melrose SW 40XSE 110, Okd. Sophia Kappeler to J T Waiden.....Nov. 5, 1919
Nov. 14, 1919—CAMPUS MILLS COL-
lege, Mills College, Inc., to H I
Kyle.....Nov. 11, 1919
Nov. 14, 1919—NE EVERETT AVE
388 SE 13th Ave SE 42.20 E 105.40
NW 34.95 SW 105.40, Okd. Robert
Land to whom it may concern.....
Nov. 12, 1919
Nov. 17, 1919—LOT 45 BLK 424
Lake Shore Park Heights, Okd.
Katharina Swanson to California
Builders Co.....Oct. 20, 1919
Nov. 17, 1919—LOT 32 BLK 1 and W
1/2 Lot 33 BLK 1 Map Lakeshore
Highlands, Okd. Lakeshore High-
lands Co to A Cederborg, Nov. 15, 1919
Nov. 18, 1919—W WASHINGTON on
13th St., Oakland, Reos Bros. to
Jackson-Koski Co.....Nov. 12, 1919
Nov. 18, 1919—SR BAY AVE 150 NE
Excelsior Ave NE 60XSE 100, Okd.
Joseph M Carlson to Alfred Peter-
son.....Nov. 1, 1919
Nov. 19, 1919—LOT 32, BLK E, Map
Elmwood Park, Berkeley, Lura E.
Griffith to Jacob House, Nov. 19, 1919
Nov. 20, 1919—LOT 17 BLK "D" Map
Lakewood Park, Piedmont. Wil-
liam J Baker to whom it may con-
cern.....Nov. 19, 1919

NOTICE OF NON-RESPONSIBILITY.

Alameda County.

Nov. 17, 1919—NO. 1541 SAN PABLO
Ave, Okd. George C Pardee as to
improvements on leased property

BUILDING CONTRACTS.

Sacramento County.

FRAME DWELLING
NO. 424 THIRTY-SECOND ST., Sacra-
mento. One-story 5-room frame
dwelling.
Owner—J. B. Keyes, 2112 "G" St., Sacra-
mento.
Architect—None.
Contractor—L. F. Gould, 600 Ventura
St., Sacramento.

COST, \$3550

RESIDENCE
NO. 2700 "L" ST., Sacramento. One-
story 5-room frame residence.
Owner—Geo. Leiser, Sonoma, Cal.
Architect—None.
Contractor—N. L. Bishop, Sacramento.
COST, \$2800

RESIDENCE
LOT 129, Casa Loma Terrace, Sacra-
mento. Frame residence.
Owner—J. H. Peters, Hotel Regis,
Sacramento.
Architect—None.
Contractor—L. F. Gould, 600 Ventura
St., Sacramento.

COST, \$3650

RESIDENCE
LOT 1586 W. & K. TRACT 24, Sacra-
mento. Two-story frame residence
and garage.
Owner—S. M. Camp, 2116 Marshall Wy,
Sacramento.
Architect—None.
Contractor—Jas. A. McCullough, 1015
23rd St., Sacramento.

COST, \$7250

RESIDENCE
NO. 726 THIRTY-EIGHTH ST., Sacra-
mento. One-story 5-room frame resi-
dence and garage.
Owner—P. McIntyre, 514 8th St., Sacra-
mento.
Architect—None.

Contractor—T. F. Reed, 2545 28th St.,
Sacramento.

COST, \$3750

RESIDENCE

NO. 2450 PORTOLA WAY, Sacramento.
Two-story 6-room frame residence.
Owner—H. S. Alder, 1013 8th St., Sacra-
mento.
Architect—None.
Contractor—N. L. Bishop, Sacramento.

COST, \$5750

RESIDENCE

NO. 2024 "I" ST., Sacramento. Two-
story frame residence.
Owner—W. M. Saunders, 2010 "I" St.,
Sacramento.
Architect—None.
Contractor—W. R. Saunders, 2614 "I"
St., Sacramento.

COST, \$11,400

ALTERATIONS

NO. 1106 FIFTH ST., Sacramento.
Alter lodging house.
Owner—J. T. Stoll, Stoll Bldg., Sacra-
mento.
Architect—None.
Day's work.

COST, \$12,000

FRAME RESIDENCE

NO. 3258 MARSHALL WAY, Sacra-
mento. Frame residence.
Owner—B. H. Bill, 3242 Marshall Way,
Sacramento.
Architect—None.
Day's work.

COST, \$1700

ADDITION

WELLS-FARGO STORE ROOM, S. P.
R. Depot, Sacramento. Addition
to frame platform.
Owner—Southern Pacific Co., Premises.
Architect—None.
Day's work.

COST, \$1200

REMODEL

NO. 2011 "M" ST., Sacramento. Re-
model residence.
Owner—R. P. Burr, Premises.
Architect—None.
Day's work.

COST, \$5090

FRAME RESIDENCE

NO. 3200 "D" ST., Sacramento. One-
story 6-room frame residence.
Owner—E. E. Fifield, Sacramento.
Architect—None.
Contractor—C. J. Hopkins, Sacramento

COST, \$4300

FRAME RESIDENCE

NO. 3991 FOURTH AVE., Sacramento.
Two-story 8-room frame residence.
Owner—W. B. Phillips, 4139 4th Ave.,
Sacramento.
Architect—None.
Day's work.

COST, \$3000

LIENS FILED.

Sacramento County.

Recorded	Amount
Nov. 7, 1919—NO. 620 K ST. on W 1/2 of E 1/2 Lot 3, K, L, 6th and 7th Sts., Sacramento. Latourrette-Fical Co vs Harriett Knox A Knox et al.	\$2168.09
Nov. 10, 1919—LOT 2607, Oak Terrace, Sacramento. F A McIntyre vs H S Winger. \$151.60 with interest at 6% from Aug. 22, 1919.	
Nov. 12, 1919—W 1/2 OF E 1/2 LOT 3, K, L, 6th and 7th Sts., Sacramento. F B Carlaw and A Carlaw (as Carlaw Bros.) vs Christ, Harry and Geo Zampathas (as Zampathas Bros.) Nellie and Kate Turton and Belle and Harriet A Knox.	\$367
Nov. 14, 1919—NO. 620 "K" ST, W 1/2 of E 1/2 Lot 3, K, L, 6th and 7th Sts.	

Sacramento. Electric Supply Co vs Harriett A Knox, Nellie and Kate Turton and Chris and George Zampathos\$424 80

BUILDING CONTRACTS.

Santa Clara County.

RESIDENCE

CAMPUS OF STANFORD UNIVERS-
ity, Palo Alto. Metal laft, furring
on ceiling and walls and corner beads
for two and one-half-story Class "B"
residence.
Owner—Mrs. Lou Henry Hoover, Palo
Alto.

Architect—A. B. Clark, Stanford Uni-
versity, Palo Alto.
Contractor—Hubert T. Lynch, 41
Glady's St., San Francisco.
Filed Nov. 7, '19. Dated Nov. 4, '19.

On 1st and 15th of each month 75%
Usual 35 days..... 25%
TOTAL COST, depending upon cost of
materials.

Bond, \$2500. Sureties, Hubert T. Lynch
and Fidelity & Deposit Co. of Mary-
land. Limit, to be given later. Forfeit,
none. Plans and specifications filed.

FRAMING FOR WOOD PARTITION
furring, grounds, rough flooring and
sleepers on above.

Contractor—H. P. Nelson, 2241 Grov-
St., Berkeley.
Filed Nov. 7, '19. Dated Nov. 4, '19
Payments same as above.....

TOTAL COST, \$451
Bond, \$2258. Surety, Globe Indemnity
Co. Limit, 35 working days from Nov.
4, 1919. Forfeit, none. Plans and
specifications filed.

BARRACKS

CAMPUS OF UNIVERSITY, Palo Alto.
All work for military barracks; gun
shed and horse shed.

Owner—Board of Trustees of Leland
Stanford Jr. University, Palo Alto.
Architect—None.
Contractor—George Wagner, 251 Kear-
ny St., San Francisco.

Filed Nov. 14, '19. Dated Nov. 12, '19.
On last days of each month..... 75%
Usual 35 days..... 25%

TOTAL COST, \$10,672
Bond, \$536. Surety, New Amsterdam
Casualty Co. of New York. Limit, 60
working days from Nov. 12, 1919. Por-
feit, none. Plans and specifications
filed.

DWELLING, ETC.

McKENDRIE ST., near San Jose. All
work for one-story dwelling, garage
and walks.

Owner—Henrietta Blanchard, San Jose
Architect—A. K. Burkett, San Jose.
Contractor—A. K. Burkett, 161 N-16th
St., San Jose.

Filed Nov. 8, '19. Dated Nov. 5, '19.
Frame up 1/4
Brown coat plaster on..... 1/4
When completed 1/4
30 days after..... 1/4

TOTAL COST, \$3634.50
Bond, \$1850. Sureties, H. A. Blanchard
and C. A. Harrington. Limit, forfeit,
none. Plans and specifications filed.

COTTAGE

NO. 694 N-SAN PEDRO ST., San Jose.
Five-room cottage.
Owner—C. F. Thomas, Premises.

Architect—None.
Day's work.

COST, \$2000

ALTERATIONS

TENTH AND TAYLOR STS., San Jose.
Alterations to tomato department.
Owner—California Co-operative Can-
neries, Premises.
Architect—None.
Day's work. COST, \$20,000

BOILER HOUSE

TENTH AND TAYLOR STS., San Jose.
Concrete and tile boiler house.
Owner—California Co-operative Can-
neries, Premises.
Architect—None.
Day's work. COST, \$6,000

FREIGHT HOUSE

SAN CARLOS AND MARKET STS., San
Jose. Freight house.
Owner—Peninsular Railway Co., 143 S-
Market St., San Jose.
Architect—None.
Day's work. COST, \$1,000

COMPLETION NOTICES.

Santa Clara County.

Recorded Accepted
Nov. 8, 1919—MOOREPARK AVE.,
near San Jose. Maude M Fessen-
den to Al Compton. Nov. 3, 1919
Nov. 6, 1919—CAMPUS OF STAN-
ford University, Palo Alto. Board
of Trustees of Stanford University
to Rudgegar-Merle Co. Nov. 4, 1919
Nov. 8, 1919—MOUNTAIN VIEW &
Saratoga Roads, near Sunnyvale.
Associated L Co to W C Duncan &
Co. Oct. 31, 1919
Nov. 10, 1919—STATE HIGHWAY,
Sunnyvale. Cockrell & Nielsen to
H. A. Spreng. Nov. 2, 1919
Nov. 7, 1919—GLLEN UNA RANCH,
Saratoga. Wm Ohlandt to C L
Taylor and W H Jackson. Oct. 23, 1919
Nov. 8, 1919—SAN CARLOS AND
Market Sts., San Jose. Associated
Oil Co to R O Summers. Oct. 31, 1919
Nov. 17, 1919—BUSH ST., San Jose.
W C Losse to E L Wolfe. Oct. 7, 1919

BUILDING CONTRACTS.

Fresno County.

GARAGE
LOTS 26, 27 AND 28 BLK 96, Fresno.
Garage.
Owner—M. M. Shooan, 459 "J" St.,
Fresno.
Architect—None.
Day's work. COST, \$30,000

FRAME DWELLING

LOT 45 S ½ Lot 43 Blk 2, Hazelton Ad-
dition, Fresno. Frame dwelling.
Owner—M. Romeo, 517 Callisch St.,
Fresno.
Architect—None.
Day's work. COST, \$3,500

FRAME DWELLING, ETC.

LOT 4 BLK 2, Hazelton Addition, Fres-
no. Frame dwelling and garage.
Owner—Thos Montgomery.
Architect—None.
Contractor—Reese & Atkins, 3643 Platt
St., Fresno.
COST, \$3,000

FRAME DWELLING

LOTS 26 AND 27 BLK 31, Belmont Ad-
dition, Fresno. Frame dwelling.
Owner—Chas. Bailey, Fresno.
Architect—None.
Contractor—G. H. Walley, 135 Diana
St., Fresno.
COST, \$2,900

WAREHOUSE

LOTS 5 AND 6 BLK 55, Fresno. Ware-
house.
Owner—F. F. Kerr, 3760 Washington
St., Fresno.
Architect—None.
Contractor—M. C. R. Nelsen, 1247 "I"
St., Fresno.
COST, \$4,000

FRAME DWELLINGS

LOT 1 BLK 23 and Lot 4 Blk 6, Hazel-
wood. Two frame dwellings.
Owner—Ewing, McDonald & Meux,
Inc., 1929 Fresno St., Fresno.
Architect—None.
Day's work. COST, \$3,000 each

FRAME DWELLING

LOT 11 S ½ Lot 10 Blk 2, Hazelton.
Frame dwelling.
Owner—A. E. Berry.
Architect—None.
Day's work. COST, \$2,000

PRINTING PLANT

LOTS 1 TO 6 BLK 96, Fresno. All
work for brick printing plant build-
ing.

Owner—Fresno Republican Publishing
Co., Republican Bldg., Fresno.
Architect—Glass & Butner, Cory Bldg.,
Fresno.

Contractor—R. Pedersen Co., 446 Clark
St., Fresno.

Filed Nov. 18, '19. Dated Nov. 6, '19.
On 1st and 15th of each month 75%
TOTAL COST, \$41,231
Bond, \$20,640. Sureties, Geo. Larsen
and Andrew Iverson. Limit, 90 days.
Forfeit, none. Plans only filed.

FRAME DWELLING

LOTS 31 AND 32 BLK 12, Fresno.
Frame dwelling.
Owner—H. Palmer, Fresno.
Architect—None.
Contractor—A. Luther, Fresno.
COST, \$5,000

FRAME DWELLING

LOT 9, Earlhurst. Frame dwelling.
Owner—T. J. Burke, Fresno.
Architect—None.
Contractor—J. F. Harwood, Fresno.
COST, \$4,500

FRAME DWELLING

LOTS 15 AND 16 BLK 12, College Addi-
tion, Fresno. Frame dwelling and
garage.
Owner—H. H. Holland, 2048 Mariposa
St., Fresno.
Architect—None.
Contractor—G. C. Cannon, 1005 Butler
St., Fresno.
COST, \$4,000

DWELLING

LOT 36 Maple Park, Fresno. Frame
dwelling and garage.
Owner—J. W. Wyatt, Fresno.
Architect—None.
Contractor—Van Wagner & Hollister,
1926 "I" St., Fresno.
COST, \$3,000

FRAME DWELLING

LOT 1 BLK 12, Dean Park, Fresno.
Frame dwelling.
Owner—J. B. Repsher, Fresno.
Architect—None.
Day's work. COST, \$1,200

FRAME DWELLING

LOTS 8 AND 9 BLK 9, College Addi-
tion, Fresno. Frame dwelling.

Owner—L. G. Whittier, Fresno.

Architect—None.
Day's work. COST, \$5,000

FRAME DWELLING

LOTS 44 AND 45 BLK 4, Belridge Park,
Fresno. Frame dwelling.
Owner—Cutting & Parker, Fresno.
Architect—None.
Day's work. COST, \$3,200

FRAME DWELLING

LOTS 9 AND 10 BLK 8, Wilson North
Fresno Tract, Fresno. Frame dwlg.
Owner—Lee Blasingame, Fresno.
Architect—None.
Contractor—Shorb & Neads, 127 Fresno
Ave., Fresno.
COST, \$15,000

MACHINE SHOP

LOTS 35 TO 39 BLK 4, Windsor Ter-
race, Fresno. Machine shop.
Owner—Lisenby Mfg. Co., Kern St.,
Cor. Angus, Fresno.
Architect—None.
Contractor—Trehwhitt & Shields Co.,
Rowell Bldg., Fresno.
COST, \$15,000

DWELLING

LOT 8 BLK 1, Mt. Olive, Fresno. Frame
dwelling.
Owner—Jas. Camarota, 1645 "E" St.,
Fresno.
Architect—None.
Day's work. COST, \$3,600

FRAME DWELLING

LOTS 18 AND 19 BLK 5, Van Ness
Heights, Fresno. Frame dwelling.
Owner—Guy Stockton, 1301 "I" St.,
Fresno.
Architect—None.
Contractor—J. C. Pursel, Fresno.
COST, \$3,250

DWELLING

LOTS 15 AND 16 BLK 7, Boone Tract,
Fresno. Frame dwelling and garage
Owner—W. A. Boughton, Fresno.
Architect—None.
Contractor—Yarnell & Garges, 1206 S-
4th St., Fresno.
COST, \$3,500

COMPLETION NOTICES.

Fresno County.

Recorded Accepted
Nov. 13, 1919—LOTS 6 AND 7 BLK 11,
Fresno Heights No. 2, Fresno. C E
Brogdon to whom it may concern
Nov. 12, 1919

BUILDING CONTRACTS.

San Joaquin County.

RESIDENCE

LAKE PARK, Stockton. Frame resi-
dence and garage.
Owner—T. E. Williams, Stockton.
Architect—None.
Day's work. COST, \$4,500

DWELLING

WEST ROSE ST., bet. Orange St. and
Pershing Drive, Stockton. Frame
dwelling.
Owner—H. T. Marshall, Stockton.
Architect—None.
Day's work. COST, \$4,000

VAULT

S HUNTER ST., bet. Main and Market
Sts., Stockton. Vault.
Owner—A. M. Noble, Premises.
Architect—None.
Day's work. COST, \$1,500

Continued from page 4

water carriers cannot agree upon through routes and joint rates and proportional rates upon traffic to be carried entirely by water, either of such connecting water lines may make application to the Interstate Commerce Commission to establish same, whereupon the commission is hereby authorized and directed to establish such interchange of traffic between such connecting water lines upon the same terms as apply to interchange of traffic between rail lines and water lines in so far as the same may be applicable thereto.

The absorption by a water carrier of the switching, terminal, livery, car rental, trackage, handling, or other charge of a rail carrier for services within the switching, drayage, lighterage, or corporate limits of a port terminal or district out of its port to port water rates, shall not be held to constitute an arrangement for a continuous carriage or shipment within the meaning of the Act to regulate commerce, and shall not subject such water carrier to the provisions of such Act.

The Interstate Commerce Commission shall have no jurisdiction over port to port rates by water, except in so far as may be necessary in effecting interchange of traffic between rail lines and water lines or between connecting water lines where they fail to agree upon through routes and joint and proportional rates.

Section 3 of the Commerce Act is further amended by adding at the end thereof the following paragraph:

"It shall be the duty of the Department of Commerce, through its Bureau of Foreign and Domestic Commerce and any other bureaus of the department, with the object of promoting, encouraging, and developing water transportation facilities in connection with the commerce of the United States; to investigate the appropriate types of boats suitable for different classes of waterways; to investigate the subject of water terminals, both for water traffic and for through traffic by water and rail, including the necessary docks, warehouses, apparatus, equipment, and appliances in connection therewith, and also railroad spurs and switches connecting with such terminals, with a view to devising the types most appropriate for different locations, and for the more expeditious and economical transfer or interchange of passengers or property between carriers by water and carries by rail; to advise with communities, cities, and towns regarding the appropriate location of such terminals, and to co-oper-

ate with them in the preparation of plans for suitable terminal facilities; to investigate the existing state of water transportation upon the different waterways of the country, with a view to determining whether such waterways are being utilized to the extent of their capacity and to what extent they are meeting the demands of traffic and whether the water carriers utilizing such waterways are interchanging traffic with the railroads; to co-operate with communities, cities, and towns and established lines of water transportation in obtaining joint and proportional through rates on traffic carried partly by water and partly by rail, and to investigate any other matter that may tend to promote and encourage water transportation. It shall also be the province and duty of said bureau, under the direction of the Secretary of Commerce, to compile, publish, and supply, from time to time, such useful statistics, data, and information concerning transportation by water as may be of value to the commercial interests of the country. The Secretary of Commerce shall include in his annual report to Congress a statement of the activities of his department in the execution of the duties imposed upon it by this paragraph, together with such recommendations as he may care to make for the regulation and improvement of water-transportation facilities. For the performance of the duties herein imposed, the Secretary of Commerce is authorized to appoint such number of experts, draftsmen, engineers, special agents, and clerks as may be necessary for service in the District of Columbia and elsewhere.

NEW BOOKS.

Urbana, Ill., Oct. 10, 1919.

The selection of the type of meter to be employed in measuring the flow of water through a pipe line should be based upon the consideration of the difficulties of installation, permanency of operation, accuracy of measurement, and the cost of installation and maintenance. Tests to determine the practicability of employing thin-plate orifices in pipe lines, and the conditions most favorable for their use as measuring devices, have been completed by the Engineering Experiment Station of the University of Illinois under the direction of R. E. Davis, Associate in Civil Engineering, and H. H. Jordan, Assistant Professor in General Engineering Drawing.

The tests were conducted with three sets of orifices of eight different diameters per set cut in 3-16-inch steel plates. Data were obtained from 4-

inch, 6-inch, and 12-inch pipe systems respectively. The results of these tests are given in detail in Bulletin No. 109 entitled, "The Orifice as a Means of Measuring Flow of Water through a Pipe."

Copies of Bulletin No. 109 may be had without charge by addressing the Engineering Experiment Station, Urbana, Illinois.

Urbana, Ill., Oct. 10, 1919.

Tests to determine the resistance of passenger trains at all speeds up to seventy miles per hour, and for average car weights have been completed by the Railway Department of the Engineering Experiment Station of the University of Illinois. Of the 240 cars composing the 28 trains tested, 178 had six-wheel trucks, and 62 had four-wheel trucks. The tests were made on the lines of Illinois Central Railroad by Professor E. C. Schmidt and H. H. Dunn upon well constructed and well maintained main line track laid almost entirely with 85-pound or 90-pound rail and ballasted with broken stone.

From the results, which are given in Bulletin No. 110 of the Engineering Experiment Station, a table has been prepared showing the probable average value of resistance for passenger trains composed of cars weighing from thirty to seventy tons and operating at speeds ranging from five to seventy-five miles per hour.

Copies of Bulletin No. 110 may be had without charge by addressing the Engineering Experiment Station, Urbana, Illinois.

BIDS OPENED FOR HIGHWAY IMPROVEMENT.

PHOENIX, ARIZ.—Webster Co. submitted the lowest bid at \$78,241.36 on contract No. 1 and at \$57,296.43 on contract No. 2 for constructing portions of the Clifton-Franklin highway in Greenlee County, bids opened November 3 at Clifton. Apache Co. submitted a bid at \$66,527.51 on contract No. 2, but no bid on contract No. 1. Cotey-Black Co. bid \$80,153.42 on contract No. 1 and \$67,087.99 on contract No. 2. The work involves 63,000 cu. yds. grading, 3900 cu. yds. concrete paving and 93,000 lbs. reinforcing steel. The state furnishes cement. For furnishing cement on the job f. o b. Franklin or Clifton the following bids were received: (Duncan Lumber Co.) Southwestern Portland Cement Co., \$3.114 bbl. net; Riverside Portland Cement Co. and California Portland Cement Co., each \$3.15 net; San Antonio Portland Cement Co., \$3.46 net. Thomas Maddock State Engineer.

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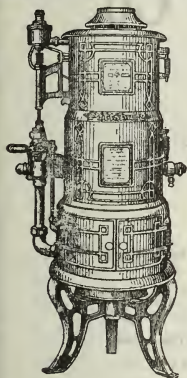
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Nineteenth Year, No. 49



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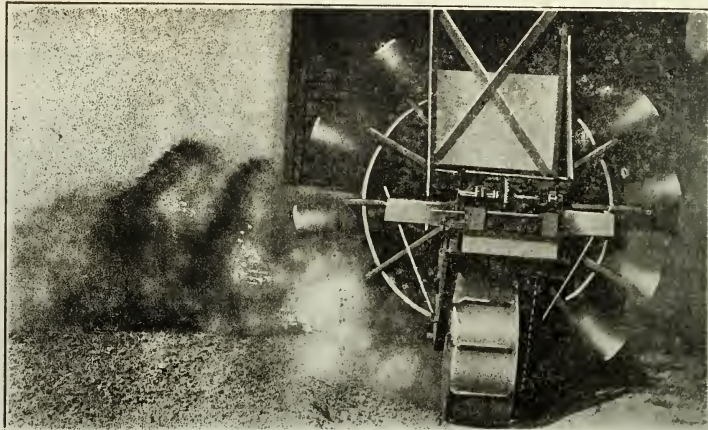
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J. P. FARRELL..... Exchange Editor

American Association of Engineers

NEWS FROM NATIONAL HEAD-QUARTERS.

Statement of the American Association of Engineers on Trade-Unionism in the Profession.

(Note: This statement was prepared by the executive committee of the American Association and is subscribed to by those members of the board of directors and past officers of the Association whose names are appended hereto.)

Reason for Statement.

In the present state of industrial unrest, the Board of Directors of the American Association of Engineers considers it desirable to make a statement defining the position of the Association.

Responsibility.

The American Association of Engineers is an incorporated organization responsible for its acts.

Economic Position of the Engineer.

The engineer is the medium through which both capital and labor are used in production and in industrial development. The aim of the profession is to advance civilization and render the highest service to society. Except when their acts further this aim, it is an advocate of neither capital nor labor.

Increased Production.

Production should be increased—not limited. The profession cannot support strikes or lockouts or any other methods that may benefit any class at the expense of the nation as a whole. They are unsound and must inevitably lead to economic disaster. The law for supply and demand for men or material must ultimately prevail. Attempts may be made to limit the supply of either, but looking toward the upbuilding of civilization we believe rather in increasing the demand through the promotion of legitimate enterprises.

Reward According to Merit.

Rewards should be according to ability, initiative and constructive effort. Men are not equal in these respects. Each man should be encouraged to do his utmost and be given compensation according to ability and will to increase production and to achieve large results.

Methods.

The engineer, as an educated professional man, believes in basing his claims for proper and just reward for his services upon the justice of the

facts presented, upon enlightenment of public opinion, upon loyalty between employer and employee, and upon the underlying fundamental desire of the great majority, to do what is fair and right when the merits of the case in question are clearly presented and demonstrated. We believe in organized representation for the correction of wrong, the advancement of the profession and service to the public, but are opposed to methods inconsistent with the dignity of the profession and which would lessen public confidence.

Conclusion.

The American Association of Engineers, through its Board of Directors, who have signed this statement, recognizing the many fundamental differences between the principles and objectives of the trade union and of an organization of professional men, expresses the opinion that an engineer cannot subscribe to the tenets of both. Dr. F. H. Newell, President, Head of Department of Civil Engineering, University of Illinois.

W. W. DeBerard, Vice-President; Western Editor, Engineering News-Record, Chicago.

T. A. Evans, Second Vice-President, Assistant Engineer, Jacobson & Schraeder, Chicago.

R. Burnham, Director; Consulting Engineer, Chicago.

W. W. K. Sparrow, Director; Chief Engineer, C. M. & St. P. Ry., Chicago. Harold Almet, Director; Consulting Engineer, Chicago.

J. H. Hatch, Director; Consulting Engineer, Chicago.

F. K. Bennett, Director; Principal Assistant Engineer, M. & St. L. Ry., Minneapolis.

H. W. Clausen, Past First Vice-President; General Office Manager, C. D. Osborne Company, Chicago.

C. A. Soans, Past First Vice-President; Patent Attorney, Chicago.

W. D. Wilcox, Past President.

L. K. Sherman, Past Vice-President;

U. S. Housing Corporation, Washington, D. C.

Isham Randolph, Past Vice-President; Consulting Engineer, Chicago.

Alexander Potter, Director; Civil Engineer, New York.

E. F. Collins, Director; Valuation Engineer, St. L.-S. F. Ry., St. Louis.

C. H. Crawford, Director; Manager Baldwin Locomotive Works.

John Ericson, Treasurer; Consulting Engineer, Department of Public Works, Chicago.

C. E. Drayer, Secretary.

FORTNIGHTLY ENGINEERING SERVICE REVIEW.

The present demand for engineering services causes the Service Department of the American Association of Engineers to strongly recommend that civil engineers requiring positions, acquire an adequate knowledge of structural, map, or topographic drafting. This class of draftsman is in demand. Every professional engineer who is out of employment becomes an economic loss. The Service Department is receiving calls for draftsmen who can do rapid lettering, (technical technical knowledge not essential), paying \$200 a month. By taking a position of this kind, draftsmen will be able to take themselves over until a permanent position opens.

The present call is mostly for draftsmen and designers. Electrical, mechanical, and structural draftsmen are wanted at Panama at a salary of \$200 per month and up. Transportation from New York or New Orleans to the Isthmus is free. Salary begins on day of sailing. Free bachelor quarters are furnished and meals cost only 40c each at Government hotels. Yearly leave up to sixty-one days with pay is granted. Further information may be obtained from the Service Department.

The American Association of Engineers announces that effective with the January number its official publication, The Monad, will be published under the name of "Professional Engineer." At the same time the change in name is made the publication will be increased in size to a 9x12 page. The magazine will remain a monthly.

The Cleveland Chapter of the American Association of Engineers will hold a mass meeting of the professional engineers, architects and chemists in Cleveland on December 4th at 8 p. m., at the Hotel Statler. A program of special interest to all engineers and allied professional men is planned. Speakers will tell of the history of the American Association of Engineers and will outline its present and proposed activities.

MODESTO, Stanislaus Co., Cal.—The Supervisors have awarded a contract to the Cotton MacCauley Co., 16 California St., San Francisco, for the construction of a reinforced concrete bridge over the main canal of the Turlock Irrigation District one mile east of Denair, at \$4,532.

BUILDING AND ENGINEERING NEWS

HIGHWAY MAINTENANCE. VI.

By G. M. N.

OBSERVATIONS OF STATE AND COUNTY HIGHWAYS, RIVERSIDE TO OAKLAND VIA COAST ROAD.

October, 1919.

Types: U. C.—Unsurfaced Concrete. O. M.—Oiled Macadam.
P. C.—Protected Concrete. W. B. M.—Water Bound Macadam.
W. B.—Warrenite Bitulithic. Bitu.—Natural Bitumen.

Miles	Construction	Age	Condition	Traffic	Remarks
00.0	O. M.	Fair		70	Riverside
44.0	O. M.	6 Very bad		30	Part of Ist L. A. Co work. El Monte.
44.5	U. C.	Fair		30	Replacing old macadam.
45.0	O. M.	6 Being reconstructed		30	
50.0					
60.0					
70.0					Los Angeles.
80.0					
82.1					
90.0					
95.0	Topeka	6 O. K.	Some cracks.	60	Sherman Way.
100.0	Asph. Conc.	6	Rough	50	Five miles poor.
107.0	Asph Conc	6	Fair condition	50	Owensmouth.
110.0	P. C.	6	Badly broken	60	State Highway.
113.0	P. C.	6	Poor—repaired.	60	Calabasas.
118.0	P. C.	6	Poor—repaired.	60	Camp; permanent. State Highway maintenance.
121.0	P. C.	6	Badly shattered.	60	
123.0	P. C.	6	Bad shape.	60	Ventura County lne.
128.0	P. C.	5	Rough but not broken		Corucho Ranch.
130.0	P. C.	5	Fair.		Has been repaired.
131.0	P. C.	5	Very badly broken	60	State Highway.
135.0	P. C.	5	Peeling badly.		State Highway.
140.0	P. C.	5	Peeling badly.		State Highway.
142.0	U. C.	5	Cracked longitudinally		
144.0	U. C.	O. K.			
146.0	Asph. Surf.	O. K.		70	Oxnard.
148.0		O. K.		70	Mantabell.
151.0	Asph. Conc.	O. K.			
153.0		O. K.		70	Ventura.
170.0	Bitumen		Poor.		Getting rough and crack'g.
172.0	"		Fair		Appears to be base only.
173.0	"		Fair		Two-course work.
174.0	"		Fair		Base only.
178.0	"		Good condition	70	Montecito
179.7	P. C.		Good condition		
180.0	Bitumen		Fine condition	70	One-course wrk apparently
192.0	"		Fine condition		One-course wrk apparently
193.0	"		Patched		
196.0	P. C.		Badly broken	70	Surface good ex for breaks
197.0	P. C.		Good condition		Looks new
198.0	P. C.		Some patches&cracks		
206.0	Dirt road		Fair		
208.0	" " "		Fair	60	Refugio Pass
208.4	U. C.		Good		
212.0	Dirt		Poor		
212.2	U. C.		Cracked & repaired	60	Surface in good riding condition
220.0	U. C.	2	Good		Las Cruces
220.6	Graded		Poor		
235.5	U. C.	2	Good	60	New State Highway
244.2				50	Los Alimos.
244.4	P. C.	5	O. K.		
255.0	U. C.		Under construction		Detours, rough, dusty.
259.0	P. C.		O. K.	50	P. C. begins here. Casmalia
265.0	O. M.		Good	60	Santa Maria.
267.0	O. M.		Poor		
268.0	Bridge		Poor		
269.0				60	Santa Maria River.
269.5	U. C.		O. K.		San Luis Obispo Co. line.
270.0	Dirt road		Rough		Unpaved and fill.
282.0	U. C.		New Good		
286.0	Dirt road				Unpaved and fill.
286.5	U. C.	3	Good	60	Pismo.
287.0	U. C.		Shattered		
291.0	O. M.		Fair condition		San Luis Hot Springs.
291.5	P. C.		O. K.		
294.0	O. M.		Fair		
295.5	P. C.		Fair		
297.0	U. C.		Good	60	San Luis Obispo.
297.5	P. C.		Surface peeling		
299.5	Bitumen		Very poor, rough	60	San Luis Obispo
303.0	U. C.	5	O. K.		
309.0	Oiled gravel		Fair		
310.0	" "		Poor		
310.5	P. C.	5	O. K.	60	Santa Margarita.
317.0	P. C.		O. K.		Atcasadero.

AMERICAN LUMBER WANTED IN ITALY.

[Trade Commissioner H. C. MacLean, Rome, Aug. 20, 1919.]

It is stated by one who is well informed as to the lumber trade of Italy, and who gave Trade Commissioner Nelson C. Brown considerable information during his investigation here last year, that the Italian market is practically bare of lumber at the present time and that pitch pine especially is in demand. Efforts have been made by Italian dealers to supply their needs from Austria, which previous to the war furnished the bulk of the lumber imported into Italy, but it has been found impossible to obtain shipments of any large quantities. It appears that Austrian competition need not be feared for some time to come and that the time is ripe for American firms to enter the market.

CATALOGUES WANTED FOR BRICK-MAKING AND KNITTING MACHINERY.

The consul general of a foreign country, located in San Francisco, wishes to secure catalogues of machinery for making bricks and also machines for making all kinds of knit goods. These catalogues may be sent in care of the District Office of the Bureau of Foreign and Domestic Commerce, 307 Customhouse, San Francisco, Calif.

HOUSING CONDITIONS.

After trying in vain for months to get a house, Brown set out one day with a find-a-house-or-die look on his face. He wandered about all day till at last his steps led him to the river. "Ah!" he said, in utter despair, "how tempting it looks!" He was almost inclined to plunge in and end it all.

All of a sudden he heard a splash and looking around he saw his friend Green struggling in the water. Without attempting to save him he rushed off to the local house agent.

"Quick!" he gasped, "Green has fallen into the river. Can I have his house?"

"Sorry," said the house agent, "I've him in." Exchange.

OH! DEATH, WHERE IS THY STING!

ZION CITY, Ill.—From a platform already let it to the man who pushed six feet high, 133,997 bottles of 2½ per cent beer were emptied into a specially built trough that ran to an open sewer. Mayor W. H. Clendin poured the first bottle and Chief of Police Theodore Becker and his aides finished the operation. The empty bottles were sold to a junk dealer for \$2,148.

The beer was ordered destroyed by Judge Claire C. Edwards after it had been confiscated when seized from smugglers from Wisconsin. The money from the sale of the bottles, it was announced, will be used to defray court expenses.

RECOMMENDS COUNTY PURCHASING AGENT.

MARYSVILLE, Yuba Co., Cal.—The County Grand Jury has recommended the appointment of a County Purchasing Agent. The matter of appointing an agent will be taken up at the next meeting of the County Supervisors.

330.0	Gravel	Very bad	70	Paso Robles. Streets rough dusty.
332.0	P. C.	Good		State Highway.
337.0	U. C.	Good		Cattle county.
339.0	U. C.	5 Cracks, etc.	70	San Miguel.
343.0	P. C.	Cracked every 10 ft.		Gravelly soil.
350.0	U. C.	Fine condition		Detour, very rough and dusty.
358.0	Dirt	Under construction		End of detour.
360.0	U. C.	Badly cracked		Salinas River bridge.
361.6	Gravel	Bad fill		San Ardo.
364.0	U. C.	Under construction	60	Patched about every 10 ft.
365.0	U. C.	O. K.		Concrete, poor picking out.
365.6	U. C.	4 Poor		Cracked every 5 ft.
369.0	U. C.	Half mile poor		
372.0	U. C.	Surface fair		
375.0	U. C.	"		
379.0	Dirt road	Rough	65	King City.
384.0	U. C.	1 Good		
386.0	U. C.	4 Good		
397.0	U. C.	4 First class	60	Greenfield.
404.0	U. C.	4 First class	60	Soledad.
414.0	U. C.	4 First class	60	Gonzales.
419.0	U. C.	4 Good	50	Chualar.
420.0	U. C.	4 Good		Recently surfaced.
422.0	P. C.	4 Rough		
429.0	O. M.		80	Salinas
430.0	O. M.	Good		
456.0	O. M.	Good	70	Monterey.
475.0	O. M.	Good	80	Salinas.
471.0	U. C.	1 Good, new	80	City work.
476.6	O. M.	Rough		
478.0	P. C.	O. K.		
481.7	U. C.	Fair surface	75	Cracks every 20 ft. and broken corners.
487.0	U. C.	Good		
492.0	P. C.	4 O. K.	80	San Juan.
494.0	P. C.	Extensively repaired		About 5% defective
496.0	P. C.	Bad		Going to pieces at edges.
498.5	P. C.	5 Fair	80	Sargent.
503.0	P. C.	Patched about 200-ft intervals		Cone, pounding to pieces under surface coat.
504.0	Asph. surf.	5 Good		Repaired
510.0	P. C.	Fair	85	Morgan Hill.
514.0	O. M.	5 Fair		Madrone.
516.0	P. C.	5 Rough		State Highway. Road 20% destroyed, broken edges.
521.0	P. C.	New repairs 10%		Road widened to 24 ft.
523.0	P. C.	Repaired; fair		
530.0	Topekt	Tough		
532.0	Asph. surf.	Good	85	2nd St., San Jose.
537.0	Topeka	3 Loosening & breaking		Santa Clara Co. work.
540.0	P. C.	5 Fair	90	Milpitas; has been resurf.
540.5	U. C.	1/2 New; good condition		
540.9	P. C.	3 Ban condition		
541.5	U. C.	newCracked		
543.0	U. C.	newCracked 15' intervals		Badly cracked all over.
544.4	U. C.	1 Cracked in 10' blocks		This pavement about 6 months old.
554.5	U. C.	4 Surface peeling		Niles.
559.0	P. C.	4 Poor condition		
562.0	P. C.	4 Poor condition		Very rough.
564.6	P. C.	Poor; 20% repairs		Going to pieces; life about 3 years.
567.0			80	Haywards.
577.0			100	Oakland.

Heavy haul traffic via coast road probably is only 50 to 60% of that in the San Joaquin Valley, while foundation conditions are generally better, except for bad adobe stretches. Out of 78 observations of concrete roads 33 show the condition to be bad, and that a considerable mileage will have to be extensively repaired or reconstructed in the next few years. It seems probable that with the normal increase in traffic which may be expected, the rate of deterioration will be somewhat more rapid in the future than in the past.

BIG BUSINESS IN SACRAMENTO FOR BUILDING INTERESTS.

SACRAMENTO, Cal.—Next year is going to set a record in Sacramento for building activities, according to A. W. Norris, president of the Builders' Exchange, who declared the outlook never was brighter despite the fact that prices of labor and material is high. It was pointed out that investors

and builders are beginning to realize that the time of high prices is here to stay for many years at least and that nothing will be gained by delaying operations. Norris says there will be more building going on in Sacramento this winter than during any previous winter since the city was a village. There will be a demand for all classes of mechanics.

COMPLETE BUILDING PLANS FOR MAYENCE.

MAYENCE.—Apartment houses, private homes and in some instances factories and other institutions of a commercial nature are planned for the future on the ground in and near Mayence, occupied at present by old German fortifications. The task of dismantling and destroying the twelve forts in the vicinity of Mayence began several weeks ago, the work being done by Germans under supervision of the French army of occupation. The work will require a year or more.

BUSINESS OPPORTUNITIES.

J. Barnes, 436 Pittcock Block, Portland, Ore., desires to get in touch with lumber firms having connections in South American countries.

O. M. Sherburne, R. 5, Box 62, Watsonville, Cal., is in the market for a machine for sawing shakes.

Hess Furnace Mfg. Co., 117 Argyle St., Portland, Ore., is in the market for 2x5x7 1/4 fire brick curved to make 24 inch circle.

CONSTRUCTION OF PARR TERMINAL WELL UNDERWAY.

SAN FRANCISCO.—Construction on the Parr Terminal Company's terminal on the Oakland Waterfront known as Key Route Basin is well underway. The 5000-foot wharf for which the Healy Tibbitts Construction Company were the contractors is now complete, three miles of terminal tracks have also been completed.

Construction has been started by Contractor R. W. Littlefield of Oakland on the cargo shed.

ZELLERBACH-LEVISON LEASES STRUCTURE IN RICHMOND DISTRICT.

Zellerbach-Levison, 1540 California street, have leased the structure at the northwest corner of Arguello Boulevard and Geary street to Larkins & Co., 1610 Van Ness avenue, who have taken over 34,000 square feet on the second floor and 10,000 feet on the ground floor which will be used for auto painting and body building.

Plans for the alteration work now under way, were prepared by Architect S. Helman, 57 Post street.

SAN FRANCISCAN WINS BEAUX ARTS PRIZE.

The first prize in the annual competition of the Beaux Arts Society of New York has been won for the first time by a San Franciscan. Ernest Weihe, head draughtsman for Bakewell & Brown. Many of the leading architectural draughtsmen in the United States Participated in the competition and six were selected from the preliminary contest.

The winner, a son of G. A. Weihe of 158 Clement street, this city, was born at Wizard, Yolo County, and started work as a draughtsman a year after the fire of 1906 at the age of 14.

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The Technical Engineers' Service Organization.

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ADVANCE NEWS

Official Proposals, Etc.

BUILDING.

APARTMENT HOUSES

Plans Being Prepared.
APARTMENTS Cost, \$80,000
SAN FRANCISCO.
Five-story reinforced concrete apart-
ments (26 apts).
Owner—Withheld.
Architect—Maxwell G. Bugbee, 619
Washington St., San Francisco.

Figures to be Taken in About Three
Weeks.

APARTMENTS Cost, \$300,000 or more
SAN FRANCISCO. NW Hyde and Fill-
bert, 137-6x137-6.

Six to eight-story Class "A" reinforced
concrete community apartment
house (10 apts. of 8 rooms each).
Owner—W. B. Gray.

Architect—T. Patterson Ross, 310 Cali-
fornia St., San Francisco.

Preliminary Plans Being Prepared.
APARTMENTS Cost, \$30,000

SAN FRANCISCO. Jordan Park.
Three-story and basement frame
apartments (6 5-room apts., garage
in basement).

Owner—Withheld.
Architect—E. E. Young, 251 Kearny
St., San Francisco.

Plans Prepared. To be Done by Day
Labor.

ALTERATIONS Cost, \$—
MADERA, Madera Co., Cal. Yosemite
Avenue and "B" Street.

Alter hall building into four 2-room
apartments and bath.

Owner—Walter Brown, Madera.
Architect—Not Given.

BANKS

Contract Awarded.
BANK Cost, \$20,000

CNIGHTS LANDING. Yolo Co., Cal.
Fireproof bank.

Owner—First National and Home Sav-
ings Bank of Knights Landing.

Architect—W. H. Weeks, 75 Post St.,
San Francisco.

Contractor—W. R. Fair.

Plans Being Prepared.
BANK Cost, \$40,000

SEATTLE, Wash. NW Rainier Ave.
near Ferdinand.

One-story heavy stone bank (71x34).
Owner—Rainier Valley State Bank.

Architect—V. W. Voorhees, Eitel Bldg.,
Seattle, Wash.

Plans Being Figured.
BANK FITTINGS Cost, \$30,000

REEDLEY, Fresno Co., Cal.
Bank fittings (marble, bronze, cabinet,
grill work, etc.)

Owner—Reedley National Bank.
Architect—M. G. West Co., 365 Market
St., San Francisco.

Plans Being Prepared.
ALTERATIONS Cost, \$—

WENATCHEE, Wash.

Alterations for banking rooms; new
vaults, grill work, etc.

Owner—Wenatchee Valley Bank.
Architects—Doyle & Merriam, Seattle
National Bank Bldg., Seattle.

PLACERVILLE, El Dorado Co., Cal.
—Construction on the modern fireproof
bank building for the A. Merson Bank-
ing Co. of this city, will not be started
until next spring, according to Guy E.
Wentworth, Cashier.

Preliminary plans for the structure
have been prepared by Hudnut &
Hemmings, 1203 "J" St., Sacramento.

A building covering a ground area of
35 by 40 feet, one-story in height, is
planned. Geo. W. Peltier is President
of the bank and N. Fox, Vice President.

EL CENTRO, Imperial Co., Cal.—
Crowley & Sherer, Pacific Electric
Bldg., Los Angeles, have the contract
to raise about 15 miles of the Volcano
Lake levee in Lower California for the
Imperial Irrigation District. The con-
tract involves about 120,000 cu. yds.
earth work and amounts to about \$87-
000. The contractors had equipment in
the valley used on a previous contract.

BONDS

TRACY, San Joaquin Co., Cal.—Bonds
of \$150,000 have been voted in the
West Side Irrigation District to finance
the construction of improvements.

SUSANVILLE, Lassen Co., Cal.—The
Board of Trustees of the Lassen
County Union High School District has
set December 20th as the date to vote
on the question of issuing bonds of \$75-
000 with which to erect an additional
school building.

CHICO, Butte Co., Cal.—The \$440,000
Chico high school bond issue has been
sold by the County Supervisors to the
Bank of Italy.

Plans for the proposed building have
been prepared by Architects Woollett &
Lamb, Physicians Bldg., Sacramento.

BISHOP, Inyo Co., Cal.—December
10th is the date set by the County Su-
pervisors, Dan E. Williams, County
Clerk, for the purchase of the \$150-
000 bond issue of the Bishop Union
High School District. Proceeds of the
sale will finance construction of a
new high school plans for which have
been prepared by Architect W. H.
Weeks, 75 Post street, San Francisco.

PIEDMONT, Alameda Co., Cal.—The
Trustees of the Piedmont High School
District are contemplating a bond elec-
tion to secure \$250,000 for a new
school building.

FLORENCE, Ariz.—The \$1,000,000
Pinal Co. bond issue was sold to Powell,
Gerard & Co., of Chicago, at a prem-
ium of \$2,500.

TUCSON, Ariz.—Until 10:30 A. M.,
December 15, bids will be received by
the Pima County Supervisors for the

purchase of \$1,500,000 county road
bonds.

YUBA CITY, Sutter Co., Cal.—The
Supervisors have sold the remaining
\$730,000 worth of county highway
bonds to finance highway construction.

RED BLUFF, Tehama Co., Cal.—Ef-
forts are being made to secure a com-
mittee to go before the City Council
and petition that steps be taken for
the installation of a modern fire alarm
system and the construction of a sewer
system.

WALLA WALLA, Wash.—The City
Commissioners have set December 16th
as the date to decide the question of
issuing bonds of \$500,000 with which to
improve the present water system. The
entire program of Engineer E. B. Hus-
sey of Seattle, will be put up to the
citizens, including a 24,000,000-gallon
reservoir, extension on the pipe line
to a point in the Wenaha forest re-
serve and laying of a new 30-inch pipe
line from the reservoir to the city.

BAKERSFIELD, Kern Co., Cal.—An
election will be held December 11 to
vote on issuing \$200,000 bonds for the
erection of a domestic science building,
machine shop, library building and
study hall at the Kern County Union
High School in Bakersfield. Additional
ground will also be purchased.

HOLLISTER, San Benito Co., Cal.—
The Parent Teachers' Association is
urging the calling of a bond election
to secure funds to finance construc-
tion of a new school building, the
present structure being inadequate.

TRACY, San Joaquin Co., Cal.—
Bonds of \$34,000 to finance construc-
tion of two new grammar schools have
been voted. No architects have been
selected as yet owing to the fact that
the exact locations for the buildings
have not been selected.

SAN LEANDRO, Alameda Co., Cal.—
The question of issuing bonds of ap-
proximately \$100,000 to finance munic-
ipal improvements will be placed on
the April ballot, according to decision
reached by the City Trustees at the
last meeting.

The issue will be voted upon as fol-
lows:

Fire Alarm System	\$14,000
New City Hall	50,000
Purchase of site for City Hall	10,500
Widening of East Fourth St.	10,000
J. J. Gillis City Clerk and H. H. Goodwin, City Engineer.	

CHEHALIS, Wash.—December 6th is
the date set to vote bonds for the im-
provement of the proposed Winlock-
Cowlitz Prairie paving project which
is estimated to cost \$138,523. The
road will be five miles long and 18 feet
wide.

November 28, 1919.

ALTURAS, Modoc Co., Cal.—Due to alleged irregularities in calling for a bond election the bid submitted by a local bank for the entire issue, \$100,000, to finance construction of county highways, has been withdrawn.

ASTORIA, Ore.—Municipal improvement bonds totalling \$167,260 have been sold by the City Council.

LOS ANGELES, Cal.—Until 2 P. M., November 24, bids will be received by the county supervisors for the purchase of \$546,000 county flood control bonds.

CHURCHES

Plans Being Prepared.

CHURCH Cost, \$35,000
LOS ANGELES. Normandie Ave. bet. Sunset and Hollywood Blvds.
 Brick church.
 Owner—East Hollywood Methodist Episcopal Church.
 Architect—Robert H. Orr, 1301 Van Nuys Bldg., Los Angeles.

Plans to be Prepared.

CHURCH Cost, \$30,000
STOCKTON San Joaquin Co., Cal.
 Miner Avenue and Sierra Nevada Street.
 Church building.
 Owner—East Side Presbyterian Church
 Following have been selected to act as a building committee: A. B. Goldsmith, chairman; J. H. Harrison, J. W. Parnell, E. E. Holland and E. L. Ortedahl. Dr. J. E. Dameron is chairman of the finance committee.

COURTHOUSES

Preliminary Plans Being Prepared.

FIRE STATION Cost, \$—
SEATTLE, Wash. Fourth and Battery Streets.
 Three-story brick fire station (2 wings each 103x103 feet).
 Owner—City of Seattle.
 Architect—Daniel Huntington, City Architect, Seattle, Wash.

FACTORIES & WAREHOUSES

Plans Being Prepared.

WAREHOUSE Cost, \$8,000
SANTA CLARA, Santa Clara Co., Cal.
 One-story reinforced concrete warehouse.
 Owner—Chas. Parker.
 Architects—Wolfe & Higgins, Anzerails Bldg., San Jose.

Plans Prepared Work to be Started Shortly.

PACKING PLANT Cost, \$10,000
OROVILLE, Butte Co., Cal.
 Cold storage and packing plant.
 Owner—Johnson & Openshaw, 711 Montgomery St., Oroville.
 Architect—Not Given.

Plans Being Prepared.

WAREHOUSE, ETC. Cost, \$80,000
EUREKA, Humboldt Co., Cal. Fourth St., bet. "E" and "C" Streets.
 One and two-story reinforced cheese curing and warehouse and office building 110x240. (The two-story portion will be used for offices, rest rooms, etc.)
 Owner—California Central Creameries, Eureka, Cal.
 Engineer—H. J. Brunner, Sharon Bldg San Francisco.

Contract Awarded.

MFG. BLDG. Cost, \$42,133
STOCKTON, San Joaquin Co., Cal. Fremont and Hunter Sts.
 Four-story brick leather manufacturing building, 50x130.
 Owner—Wagner Leather Company, Stockton, Calif.
 Architectural Designer—Edward M. Cooney and James Lawrie, associate, 604 North Hunter, Stockton, Calif.
 Contractor—Frank Tucker, 321 North Sierra Nevada, Stockton, Calif.
 Note—Mr. Lawrie is superintendent of construction for the Wagner Co.

Preliminary Sketches Prepared.

PRINTING PLANT Cost, \$—
SAN FRANCISCO. Third and Bryant.
 Five-story reinforced concrete printing plant.
 Owner—Schwabacher-Frey Co., Market and Second Sts., San Francisco.
 Architect—Not Selected.
 Mr. Schwabacher states that Lange & Bergstrom, Sharon Bldg., have prepared preliminary plans, but so far have not been selected as the engineers and contractors.

Piling Contract Awarded. Figures to be Taken Shortly for Concrete Work.

PILE FOUNDATION Cost, \$10,300 approximately.
SAN FRANCISCO. Islais Creek.
 Pile foundation for 6 steel oil tanks.
 Owner—Willits & Patterson, Fife Bldg., 1 Drumm St., San Francisco.
 Engineer—Shas. Watts, 24 California St., San Francisco.
 Contractor—Healy-Tibbitts Constr. Co., 9 Main St., San Francisco.
 Figures will be taken in about a week for the concrete foundations.
 The contract for the steel tank has been awarded to the Western Pipe & Steel Co., 333 Market St., San Francisco.

WINDSOR, Sonoma Co., Cal.—Articles of incorporation have been filed in the office of the County Clerk, W. W. Felt, Jr., by the Windsor Canning Company and the erection of a huge canning building is assured.

The company is capitalized at \$100,000. Following is a list of the subscribers: Antonio M. Cogliandro of Windsor, N. S. Stewart of San Francisco, and Thomas G. Scotchler of Berkeley.

Contract Awarded. Work Started.

DEPOT. Cost, \$—
MARYSVILLE, Yuba Co., Cal.
 One-story brick and stucco depot.
 Owner—Sacramento Northern Electric Railroad Company.
 Architect—E. C. Hemmings, 1208 "J" St., Sacramento.
 Contractor—Herdson & Finnigan, 1714 16th St., Sacramento.

Plans Being Prepared. Ready for Figures Next Week.

PACKING PLANT Cost, \$—
SAN JOSE, Santa Clara Co., Cal. San Salvador and Lincoln Streets.
 ADDITION (57x433) to packing plant (brick or reinforced concrete).
 Owner—Salsina Canning & Packing Co.
 Architect—Louis Theodore Lenzon, 110 South Second St., San Jose.
 Additional platforms and other buildings not yet fully decided will also be built. These additional buildings will cover approximately 10,000 square feet.

Plans Prepared.

LAUNDRY Cost, \$—
SANTA CRUZ, Santa Cruz Co., Cal. Front Street.
 One-story concrete laundry.
 Owner—Union Laundry M. S. Herriet Santa Cruz, Cal.
 Architect—Allen C. Collins.

Preliminary Plans Being Prepared.
FACTORY Cost, \$175,000
SAN FRANCISCO. Potrero District.
 Four-story reinforced concrete factory building.
 Owner—Withheld.
 Architect—S. Heiman 57 Post St., San Francisco.

Contract Awarded. Work Started.

MFG. PLANT. Cost, \$80,000
LODI, San Joaquin Co., Cal. North Sacramento Street.
 Brick, concrete and steel manufacturing plant, 205x130 (26,000 sq. ft. floor space).
 Owner—Superior Manufacturing Co. Lodi, Calif.
 Architect—L. A. Carter.

Contractor—H. O. Chain, Farmers' & Merchants' Bldg., Stockton.

There will be 180,000 brick, 80 ton of structural steel and 18 tons of corrugated iron used. The west 205-foot run will be of pressed brick on steel sash.

The officers' room, which will include the general offices, will cover 3000 square feet; experimental room will be 32 by 46; the sales room, 32 by 50; the pattern shop will cover 300 square feet; the tool room, 20 by 40 the assembling room, 56 by 74; the store room, 40 by 45, and the machine shop, 125 by 70. A lot 115 by 130 feet has been left on the north end of the property to be used later as a foundry.

MODESTO, Stanislaus Co., Cal.—A building permit has been granted by the City Council to the Pratt-Lov Preserving Company, Modesto, to make improvements at its plant to cost \$90,000. The work will consist of three buildings: A reinforced concrete building 146 by 127 feet and two frame corrugated iron structures 60 by 20 and 120 by 90 feet in size.

FIREHOUSES AND JAILS

CARSON CITY, Nevada.—State Architect F. J. DeLongchamps has submitted estimates of cost for constructing a new penitentiary building at the Prison Farm to Governor Boyle.

Architect De Longchamps' figures provide for an artificial stone and stone structure containing 200 cells. If the structure is erected on the Prison Farm, \$41,500; if constructed at the Prison site, \$26,500; this for artificial stone and \$43,000 for a stone building at the Prison Farm.

The items of cost in the construction of the artificial stone building at the farm include:

Foundation	\$12,000
Crushing plant equipment ..	5,000
Walls	24,000
At the quarry, or present prison, the costs are distributed as follows:	
Foundation	\$ 3,500
Cutting stone	7,000
Laying walls	16,000
The estimate on the construction of a stone building at the farm included \$12,000 for the foundation, \$7,000 for	

cutting stone, \$8,000 for hauling stone, \$16,000 for laying the walls.
The estimates have been forwarded to the Prison Board for report.

GARAGES

Plans Being Prepared. To be Done by Day Labor.
GARAGE Cost, \$—
SAN FRANCISCO. N Ellis bet. Polk and Van Ness Avenue.
Two-story fireproof garage, 55x120.
Owner—Wm. Helbing.
Architect—Wm. Helbing, 517 Hayes St., San Francisco.

Plans Being Prepared.
GARAGE Cost, \$40,000
VISALIA, Tulare Co., Cal. Locust and Acacia Streets.
One-story reinforced concrete garage, 100x115 (plaster exterior.)
Owner—James Seabright.
Architects—Glass & Butner, Cory Bldg., Fresno.

Contract Awarded.
GARAGE, ETC. Cost, \$60,000
PORTLAND, Ore. Grand and Hawthorne Avenues.
Three-story reinforced concrete, brick and mill construction auto garage and salesrooms, 90x85.
Owner—Francis Motor Car Co.
Architects—F. T. Webber and Richard Martin, Associate, Portland, Ore.
Contractor—A. Guthrie & Co., Inc., Sherlock Bldg., Portland.

RENO, Nevada.—The following bids were received by the Washoe County Commissioners, E. H. Beemer, County Clerk, for the construction of a brick garage building on the County Courthouse grounds at Reno:
Roush & Belz, Reno.....\$13,315
Cordardt Bros., Reno..... 13,800
Sellman Constr. Co., Reno., 14,800
The contract was awarded to Roush & Belz. Plans for the structure were prepared by Architects Ferris & Malsbary, Colonial Hotel, Reno.

Contract Awarded.
GARAGE Cost, \$25,000
FRESNO, Fresno Co., Cal. Van Ness Ave., bet. Kern and Inyo Sts.
One-story concrete garage building, 75x150.
Owner—M. M. Shoshan.
Lessee—Spear-Borst Auto Co.
Architects—Swartz & Ryland, Rowell Bldg., Fresno.
Contractor—Prichard Bros., 623 Ferger St., Fresno.

Contract Awarded.
GARAGE Cost, \$40,000
FRESNO, Fresno Co., Cal.
One-story concrete garage, 125x140.
Owner—J. E. Azderian.
Lessee—Anderson Motor Co., Ford Agent.
Architects—Swartz & Ryland, Rowell Bldg., Fresno.
Contractor—Trewitt & Shields, Rowell Bldg., Fresno.

Contract Awarded.
GARAGE Cost, \$25,000
MADERA, Madera Co., Cal.
One-story concrete and brick garage.
Owner—D. Barsotti of Madera.
Lessee—Chamberlain Auto Co.
Architects—Swartz & Ryland, Rowell Bldg., Fresno.
Contractor—Robert W. Brown, Madera

Plans Completed.
GARAGE Cost, \$—
PORTLAND, Ore. NW Hawthorne and East Eighth Streets.
One-story brick and concrete garage building.
Owner—Whitney L. Boise.
Lessee—International Motor Truck Co.
Architects—Houghtaling & Dougan, Henry Bldg., Portland.

Ready For Figures About Saturday.
GARAGE Cost, \$50,000
SACRAMENTO, Cal. Ninth and "L" Streets.
Two-story brick and concrete garage.
Owner—S. W. McKim and C. E. Phipps, 2015 "H" St., Sacramento.
Architect—E. C. Hemmings, 1203 "J" St., Sacramento.

Completing Plans.
GARAGE Cost, \$50,000
SACRAMENTO, Cal. "L" St., bet. 6th and 7th Sts.
Two-story brick and concrete garage.
Owner—L. F. Bruener.
Architect—E. C. Hemmings, 1203 "J" St., Sacramento.

Contract Awarded.
GARAGE Cost, \$15,000
STOCKTON, San Joaquin Co., Cal. 521 North California St.
One-story concrete and brick garage, 50x150.
Owner—Mark G. Dentoni, Stockton, Architectural Designer—Edward M. Coney, 604 North Hunter, Stockton.
Contractor—Senator Lewis, Stockton.

Work Started.
GARAGES Cost, \$—
STOCKTON, San Joaquin Co., Cal. Vicinity of Hunter, Rose and Vine streets.
Twelve one-story hollow concrete block garages.
Owners—Not given.
Designers and Contractors—Thornton & Fenno, 328 East Main St., Stockton.

Sub-Contracts to be Figured Shortly.
GARAGE Cost, \$—
SAN FRANCISCO. E Howard and 5th Streets.
Class "C" garage and warehouse, 155x188.
Owner—Pacific Gas & Electric Co.
Architect—Wm. Knowles, Hearst Bldg., San Francisco.

Mr. Knowles will take figures during the next two weeks on the following sub-projects:
Electric Work, Painting, Plumbing, Glass and Glazing, Metal Window Frames, Roofing Rolling Doors (Kanneer or equal), Elevator work, Etc.
The Clinton Construction Co., 140 Townsend St., has the concrete contract at \$114,120.

Owners Taking Separate Figures.
GARAGE Cost, \$50,000
SAN FRANCISCO W Dolores Street from Market to 14th Streets.
One-story and basement reinforced concrete garage.
Owner—Savings Union Bank & Trust Co., O'Farrell and Grant Ave., San Francisco.

Architect—Arthur S. Bugbee, Sharon Bldg., San Francisco.
Manager of Construction—C. R. Collopy Care Savings Union Bank & Trust Company.

Contract Awarded.
GARAGE, ETC. Cost, \$15,000 approximately.
SARATOGA, Santa Clara Co., Cal. near Saratoga.
Two-story frame and plaster garage with living rooms.
Owner—Chas. D. Blaney.
Architects—Willis Polk & Co., Hobart Bldg., San Francisco.
Contractor—W. C. Duncan & Co., Sharon Bldg., San Francisco.

Building Permit Issued.
GARAGE Cost, \$33,000
MODESTO, Stanislaus Co., Cal. 12th and "H" Streets.
One-story reinforced concrete garage.
Owner—Claude Maze, W. C. Shackelford and Wm. Silva, all of Modesto.
Architect—Not Given.

Contract Awarded.
GARAGE Cost, \$17,400
MODESTO, Stanislaus Co., Cal. SE Tenth and F Streets.
One-story brick garage, 100x140.
Owner—W. E. Kewin.
Lessee—Fargo & Straight.
Architect—Not Given.
Contractor—Ernest Green, 915 "I" St., Modesto, Cal.

GOVERNMENT WORK AND SUPPLIES

PROPOSALS for sheet brass, steel filing cabinets, bolts, rivets, washers, staples, tacks, files, stocks and dies, stillson wrenches, hacksaw blades, pipe fittings, valves, wafer-closet bowls, shackles, turnbuckles, garden rakes, blow torches, door springs, varnish brushes, steel measuring tapes, folding rules, twine, manila tags, carbonized paper, lumber and mill work—Sealed proposals will be received at the Office of the General Purchasing Officer, The Panama Canal, Washington, D. C., until 10:30 o'clock A. M., December 11, 1919, at which time they will be opened in public for furnishing the above-mentioned articles. Blanks and information relating to this Circular (1317) may be obtained from this office or the office of the Assistant Purchasing Agent, Fort Mason, San Francisco, Calif.; also from the United States Engineer Offices in the principal cities throughout the United States.—A. L. FLINT, General Purchasing Officer.

SAN DIEGO, Cal.—Lange & Bergstrom, Sharon Bldg., San Francisco, submitted the lowest bid received at the Twelfth Naval District Office, San Diego, for the construction of a one-story reinforced concrete Central Building for the Industrial Group at the Marine Corps Base, San Diego, under Specification 4047. No bids were received by the Bureau of Yards and Docks, Washington, D. C.

The two lowest bids were as follows:
Lange & Bergstrom.....\$231,000
Federal Constr. Co..... 241,802
A complete list will be reported later.
The building will have reinforced concrete foundations on concrete piles; reinforced concrete columns, floors, and roof slabs; steel trusses and purlins; brick and hollow tile walls and partitions; plastered interior and stuccoed exterior wall surfaces; built-up and tile roofing; suspended metal ceilings; skylights and louvers; wood doors; steel sash and wood sash; complete

plumbing, heating and electric lighting and power systems; and a radial brick chimney 125 feet high.

WATER AND SEWER SYSTEMS.

The following bids were received by the chief of the bureau of yards and docks, Navy Department, November 19, specification 4067, for water supply and sewer systems and a fuel oil storage reservoir at the U. S. Marine Corps base, San Diego, Calif.:

Item 1, net price and time for the entire work complete, in accordance with the drawings and specifications, based on the piles under concrete sewers, being 15 feet in length; 2, net price and time for the sewer and water and fire protection systems complete, in accordance with the drawings and the specifications, based on the piles under concrete sewers being 15 feet in length; 3, net price and time for the reservoir and equipment complete, in accordance with the drawings and specifications; 4, net price to be added to or deducted from items 1 and 2 for each pile in excess of or less than the number indicated on the drawings, based on a length of 15 feet below cut off; 5, net price to be added to or deducted from items 1, 2 and 4 for each linear foot of each pile in excess of or less than the specified length of 15 feet below cut-off.

H. D. Hallet, 132 Downer Place, Aurora, Ill., item 2a, \$194,350 120 days; 4a \$5; 5a, 50c; 8b, \$7,200; 8c, \$3,000; 9a, \$5,750, 10 days.

Carleton-Mace Engineering Corp., 18 Tremont St., Boston, Mass., 1a, \$244,324, 130 days; 2a, \$237,124; 3a, \$7,200; 4a, \$5.10; 5a, \$35; 6a, \$48,500; 7a, \$2,100; 8a, \$14,700; 8b, \$13,500; 8c, \$12,900; 9a, \$13,200.

General Heating and Ventilating Co., item 1a, \$389,750, 150 days; 2a, \$376,450, 150 days; 3a, \$13,300, 90 days; 4a, add \$12 and deduct \$8; 5a, add 60c and deduct 20c; 7a, \$6,450; 8a, \$16,000; 8b, \$15,500; 8c, \$8,000; 9a, \$24,000.

One bid received at San Diego.

Thomas Haverly Co. Eighth St. and Maple Ave., Los Angeles, submitted the only bid to the public work offices of the twelfth naval district at San Diego, at \$244,850 for constructing a 70,000 gallon reinforced concrete fuel oil storage tank, water and sewer mains at the marine brigade post on Dutch Flats, San Diego. There will be 8740 ft. of 8-in., 140 ft. of 6-in., and 2300 ft. of 2-in. water pipe to be laid and 7800 ft. of sewer pipe.

SUPPLIES FOR THE NAVY—Navy Department, Bureau of Supplies and Accounts, Washington, D. C.—Sealed bids will be received here for furnishing supplies under schedules as follows: (Closing date noted at end of each paragraph.)

Schedule 5058, eastern and western yards, U. S. navigation sets, various kinds of taps, die stocks, tap wrenches and split dies, opening December 16.

Schedule 5090, eastern and western yards, 36 sewing machines, opening December 12.

Schedule 5101, for eastern and western yards, reamers and arbors, opening December 15.

Schedule 5108, for Puget Sound, 30,000 lbs. naval rolled brass bars, opening December 9.

Schedule 5115, for Puget Sound, 1 feed water heater, opening December 16.

Schedule 5117 f. o. b. works, rebristling 3,000 brushes, opening December 16.

Schedule 5117, for San Diego, 1 combination chemical engine and hose wagon, opening December 16.

Schedule 5118, eastern and western yards, elbows, unions, caps and locknuts, opening December 16.

Schedule 5119, eastern and western yards, elbows, locknuts, unions and Y branches, opening December 16.

Schedule 5123, for Puget Sound, miscellaneous electric wire, opening December 16.

For further information address the bureau of supplies and accounts, Navy Department, Washington, D. C.

WASHINGTON, D. C.—The following bids were received by the chief of the Bureau of Yard and Docks, Navy Department, specification 4067, for painting 3 600-foot radio towers at the naval station, San Diego, Calif.

J. P. Sullivan, 4515 Indiana avenue, Chicago, Ill., \$7,940, time 45 days, \$8,460, time 30 days.

Alfred Olson Co., 4651 North Clark street, Chicago, Ill., \$5,938, 45 days.

Neptune B. Smith, Inc., 417 E. 34th street, New York city, \$12,300, time 40 days.

Malakatis Painting Co., Union Trust Building, Washington, D. C., \$14,460, time 90 days.

Kootz & Banks, 6156 High street, Portsmouth, Va., \$3,288, time 30 days.

Awarded to Kootz & Banks.

Ing prepared by the Bureau of Yards and Docks, Navy Department, Washington, D. C., for 2 kite balloon and 3 seaplane hangars to be erected at San Diego. The work is provided for under Specification No. 4087.

MARE ISLAND, Cal.—The following bids were received November 26th by the Public Works Office at Mare Island for alternates for the construction of "Torpedo Storehouse and Compressor and Separation Building," at Mare Island, Specification No. 3991:

McLernin & Peterson, Hearst Bldg., San Francisco, (5) \$47,187, 150 days; (6) \$49,960, 180 days; (7) \$6,792, 30 days; (8) \$6950, 30 days.

K. E. Parker Co., San Francisco (5) \$47,280, 175 days; (6) \$51,400, 175 days; (7) \$7,150, 25 days; (8) \$7,520, 25 days.

Alfred Vogt San Francisco (5) \$50,882, 200 days; (6) \$53,600, 200 days; (7) \$7,400, 30 days; (8) \$7,600, 30 days.

Clinton Constr. Co. (bid received too late, but was the highest submitted).

HALL & SOCIETY BUILDINGS

SAN DIEGO, Cal.—The War Camp Community Service, W. H. Hiltz, Director, contemplates erecting a permanent building in San Diego to cost \$300,000. The old Liberty auditorium has been leased and will be fitted up for temporary quarters.

Plans Prepared. To Call Bids Shortly. LODGE AND STORE BUILDING
Cost, \$100,000.

PORTLAND, Ore. Park and Taylor Streets.

Four-story brick and concrete lodge and store building, 50x100.

Owner—Knights of Columbus Lodge of Portland.

Architect—Jos. Jacobberger, Board of Trade Bldg., Portland.

When bids are called separate proposals will be received for the heating and plumbing contracts.

Plans Being Prepared.

ADDITION Cost, \$100,000
SACRAMENTO, Cal. No. 331 "J" St. Addition 20x160 to five-story fireproof bank and club building (extensive alterations and additions to the 4 upper floors occupied by the Sutter Club).

Owner—California National Bank, Premises.

Architect—E. C. Hemmings, 1203 "J" St., Sacramento.

LOS ANGELES, Cal.—A special committee to select an architect to design the new lodge and club building to be erected by Los Angeles Elks' Lodge, No. 99, has been appointed by Leo V. Youngworth, chairman of the building committee. The new building is to be erected at the northwest corner of Eighth and Flower streets. The committee which will select the architect will include Geo. Hart, John Burton, M. F. Shannon, Harry Fryman, John Luckenbach, Ben F. Gray, George Goldsmith, exalted ruler of the lodge, and Leo V. Youngworth.

HOSPITALS

Contracts Awarded.

HOSPITAL Cost, \$—
SAN FRANCISCO. Park Hill and Buena Vista Avenues.

Laundry equipment, electric work, heating and plumbing for Class "A" hospital.

Owner—St. Joseph's Home & Hospital. Architect—Leo J. Devlin, Pacific Bldg., San Francisco.

Heating to J. E. O'Mara, 45 Minna St. Electric Work to The Turner Co., 272 Natoma Street.

Plumbing to Frederick Snook Co., 596 Clay Street.

The contract for the boilers has not been awarded.

HOSPITAL Cost, \$350,000
SACRAMENTO, Cal. Twenty-ninth & "J" Streets.

Fireproof hospital.
Owner—Mrs. C. P. White, Widow of Dr. John L. Premises.

Architect—R. A. Herold, Forum Bldg., Sacramento.

Mr. Herold prepared plans for this building about three years ago. It is planned to use these same plans with a few changes and additions, however, nothing definite has been decided.

Contracts Awarded.

HOSPITAL Cost, \$—
WOODLAND, Yolo Co., Cal. Two-story frame and plaster hospital.

Owner—Woodland Sanitarium. Architect—W. H. Weeks, 75 Post St., San Francisco.

General Contract awarded to Wm. R. Fait, Woodland.

Concrete and Plastering to Joseph Miatroni, Woodland.

Plans Being Prepared.

HOSPITAL Cost, \$—
WHITTIER, Los Angeles Co., Cal. Two-story hollow the hospital with 2 one-story wings.

Owner—Milhouse Memorial Hospital.

Architects—Allison & Allison, 1405
Hibernian Bldg., Los Angeles.

ASTORIA, Ore.—The erection of a
\$100,000 fire proof hospital building is
planned by the Finnish Societies of
this city. The proposed structure has
been discussed by Astoria Lodge No. 2
of the Finnish Brotherhood.

HOTELS

Carpentry Work Awarded. Figures
Being Taken for Other Part of the
Work.

ALTERATIONS Cost, \$20,000
SANTA CRUZ, Santa Cruz Co., Cal.
Pacific Avenue.
Alterations for hotel.

Owner—Hotel St. George.
Architects—O'Brien Bros., 240 Mont-
gomery St., San Francisco.

The carpentry and mill work has
been awarded to Hamilton & Church of
Santa Cruz on a percentage basis.

Figures are being taken for electric,
plastering, marble and plumbing work.

Contract Awarded. Erection of Build-
ing depends on Satisfactory Lease.

HOTEL Cost, \$200,000
FRESNO, Fresno Co., Cal. Van Ness
Avenue.

Six-story fireproof hotel, 75x150 (115
rooms, each with bath).
Owner—Harry Arakelian, Turlock,
Calif.

Architects & Engineers—Swartz & Ry-
land, Rowell Bldg., Fresno.

Contractor—Prichard Bros., 623 Ferger
St., Fresno.

Plans Nearing Completion. Excava-
tion Started.

HOTEL Cost, \$75,000
UNION, Oregon.

Two-story and basement brick hotel,
75x125 (40 sleeping rooms, billiard
hall, etc.).

Owner—Withheld.

Architect—Milton Bloch, Associate Ar-
chitect, La Grande, Ore.

Plans will provide for one additional
story to be constructed at a later date.

Contract Awarded.
ADDITION Cost, \$—

CHICO, Butte Co., Cal.

Addition of wing to six-story fireproof
hotel.

Owner—Hotel Oaks.

Designer and Contractor—Jas. L. Mc-
Laughlin, 251 Kearny St., San
Francisco.

The number of rooms to be added
has not been decided, but will be
shortly. The same plans will be used.

Plans Being Prepared.
ADDITION, ETC. Cost, \$25,000

MODESTO, Stanislaus Co., Cal. 11th
and "H" Streets

Addition of fifth story and altering
ball room, etc., into 36 rooms.

Owner—Hotel Modesto, Crow & Hugin,
Modesto, Cal.

Architect—Not Given.

Plans Being Prepared.
HOTEL Cost, \$500,000

RENO, Nevada. On Belle Isle.

Six-story fireproof hotel 350 rooms.

Owner—Bankers Finance Corporation,
Ralph L. Goetz, President, Reno,
Nevada.

Architects—Ferris & Malsberry, P. O.
Box 363, Reno, Nevada.

Work will also include the construc-
tion of a bridge across the river from
both sides of the island.

PUBLIC BUILDINGS

TO ERECT MAUSOLEUM.

SANTA MONICA, Los Angeles Co., Cal.—The City Commission has signed
an agreement with H. S. Webber of the
Rosedale Mausoleum Co. for the erec-
tion of a mausoleum, chapel, crema-
tory and columbarium to cost \$125,000
at Woodlawn Cemetery. The building
will contain 610 crypts. The building
will have granite exterior, marble in-
terior, bronze doors, cathedral glass
skylights.

Contract Awarded.
MAUSOLEUM. Cost, \$300,000

LOS ANGELES, Cal. Rosedale Ceme-
tery.

Class "A" mausoleum, 308x95—1720
crypts.

Owner—Rosedale Mausoleum Co., Haas
Bldg., Los Angeles.

Architect and Contractor—Milwaukee
Building Co., 315 Wright & Callen-
der Bldg., Los Angeles.

FRESNO, Fresno Co., Cal.—Deputy
City Engineer W. F. Rantama is pre-
paring plans for a municipal swimming
tank to be constructed in Roeding
Park. The structure will be of rein-
forced concrete construction, 400 feet
long and 50 feet wide. Ten electro-
liers along the sides of the tank will
provide the illumination. The struc-
ture will cost in the neighborhood of
\$13,000.

RESIDENCES

Plans Being Prepared.
ADDITION Cost, \$—

FRESNO, Fresno Co., Cal.

Addition of sun porch, marble fountain
and changes on interior of resi-
dence.

Owner—Wylie M. Giffen.

Architects—Glass & Butner, Cory
Bldg., Fresno.

Plans Being Prepared. To be Done by
Day Labor.

BUNGALOWS Cost, \$4,500 each
SAN FRANCISCO. Westwood Park.

Five one-story frame apartment bun-
galows 4 and 5 rooms, etc.

Owner—Charles C. Williams, Syndicate
Bldg., Oakland.

Architect—Owner.

Plans Being Revised. To be Refurnished
RESIDENCE Cost, \$30,000

PIEDMONT, Alameda Co., Cal.

Two-story frame and brick residence
(14 rooms and 5 bathrooms, sepa-
rate garage with living quarters).

Owner—H. W. Harrold.

Architect—Sidney B. Newsom, Nevada
Bank Bldg., San Francisco.

Plans Being Prepared.
RESIDENCE Cost, \$7,500

BERKELEY, Alameda Co., Cal. Elm-
wood Court.

Awo-story frame residence (6 rooms).

Owner—Mrs. Hill.

Architect—John Hudson Thomas, First
National Bank Bldg., Berkeley.

Plans Being Prepared.
RESIDENCE Cost, \$10,000

SAN JOSE, Santa Clara Co., Cal. Cor.
Tenth and San Antonio Sts.

Two-story plaster residence.

Owner—H. Garcia.
Designer—Herman Krause, 130 S-First
St., San Jose.

Plans Being Prepared.
RESIDENCE Cost, \$10,000

SAN JOSE, Santa Clara Co., Cal. On
The Alameda.

Two-story plaster residence.

Owner—Mrs. Borchers.
Designer—Herman Krause, 130 S-First
St., San Jose.

Contract Awarded.
COTTAGES Cost, \$4,500 each

SAN JOSE, Santa Clara Co., Cal. Wil-
liams St. near Naglee Park.

Seven one-story frame cottages.

Owner—L. B. Dougale.
Architects—Binder & Curtis, Binder
Bldg., San Jose.

Contractor—P. T. Jorgensen, Naglee &
Dana St., San Jose.

Plans Being Prepared.
RESIDENCES Cost, \$10,000 each

SAN JOSE, Santa Clara Co., Cal.

Two two-story frame residences.

Owner—Withheld.
Architect—H. W. Higbee, Porter Bldg.,
San Jose.

Days Work.
ALTERATIONS Cost, \$2,000

PACIFIC GROVE, Monterey Co., Cal.

Remodeling residence.

Owner—Mrs. Warren K. Skillings.
Architect—Warren Skillings, Bank of
San Jose Bldg., San Jose.

Plans Being Prepared.
RESIDENCE Cost, \$5,800

SAN JOSE, Santa Clara Co., Cal. Near
San Jose.

One and one-half-story frame residence

Owner—Thrift.
Architects—Wolf & Higgins, Auzeais
Bldg., San Jose.

Days Work.
COTAGES Cost, \$3,000 to \$5,000 each

SAN JOSE, Santa Clara Co., Cal. Palm
Haven Tract.

Twenty one-story and two-story frame
cottages to be built for sale.

Owner—Palm Haven Investment Co.

Architects—Wallace & Bush, Bank of
San Jose Bldg., San Jose.

Work just starting on a unit of eight
buildings.

Plans Being Prepared.
COTTAGES Cost, \$3,800 each

SAN JOSE, Santa Clara Co., Cal. Sixth
and Washington Streets.

Five five and six-room cottages. Plaster
exterior.

Owner—E. Wolfe.
Architects—Wolfe & Higgins, Auzeais
Bldg., San Jose.

Plans Being Prepared.
BUNGALOW Cost, \$12,000

PACIFIC GROVE, Monterey Co., Cal.

One-story frame bungalow.

Owner—Withheld.
Architect—Warren Skillings, Garden
City Bank Bldg., San Jose.

Work will not start until Spring.

Contract Awarded.

FRAME DWELLINGS Cost, \$15,000
 SAN JOSE, Santa Clara Co., Cal.
 Twelfth and Williams Sts.
 Seven two-story frame dwellings.
 Owner—The Lewis Co., San Jose.
 Architect—Not Given.
 Contractor—P. T. Jorgensen, Naglee
 and Dana Sts., San Jose.

Contract Awarded.

RESIDENCE Cost, \$21,000
 Total Cost, \$25,000.
 MODESTO, Stanislaus Co., Cal.
 Two-story and basement frame and
 plaster residence.
 Owner—A. B. Shoemaker, 906 10th St.,
 Modesto, Cal.
 Architect—Bernard J. Joseph, Cal.
 Bldg., San Francisco.
 Contractor—W. A. Stevens & Son, Mo-
 desto.

This contract does not include elec-
 tric fixtures, plumbing, etc.

Plans Being Prepared.

ADDITION Cost, \$—
 OAKLAND, Alameda Co., Cal. Clare-
 mont District.
 Two-story addition to present 2-story
 frame residence (5 rooms and
 sleeping porch, also separate ga-
 rage).
 Owner—Mr. McDuffie, of Mason-Mc-
 Duffie Co.
 Architect—Henry H. Guttererson, 278
 Post St., San Francisco.

Segregated Bids Being Taken.

ALTERATIONS Cost, \$5,000
 OAKLAND, Cal. No. 223 Hillside Ave.
 Alterations to a two-story frame resi-
 dence containing 9 rooms and 2
 bathrooms.
 Owner—P. A. G. Messchaert, Premises.
 Architects—Reed & Corlett, Oakland
 Bank of Savings Bldg., Oakland.

Plans Being Figured.

RESIDENCE Cost, \$10,000
 STOCKTON, San Joaquin Co., Cal.
 One and one-half story hollow tile resi-
 dence, 8 rooms and airplane sleep-
 ing porch, garage for three ma-
 chines.
 Owner—Mr. Grace, care Nancy Bros.,
 Stockton.
 Architect—Edward M. Cooney, 604 N.
 Hunter St., Stockton, Calif.

Plans Being Prepared.

BUNGALOW, ETC. Cost, \$5,000
 STOCKTON, San Joaquin Co., Calif.
 One and one-half story, 7-room frame
 bungalow and garage.
 Owner—George Cochellon, Stockton.
 Architect—Edw. M. Cooney, 604 North
 Hunter St., Stockton.

Plans Being Prepared.

ALTERATIONS Cost, \$—
 OAKLAND, Alameda Co., Cal. Oakland
 Avenue.
 Alterations and additions to two-story
 frame residence.
 Owner—Mrs. Palmanteer.
 Architect & Contractor—Wm. Knowles
 Central Bank Bldg., Oakland.

Plans Being Figured.

BUNGALOW Cost, \$7,000
 SAN JOSE, Santa Clara Co., Cal. Union
 Avenue near Campbell.
 One-story frame bungalow (rustic ex-
 terior).
 Owner—N. O. Hultberg.
 Architect—Chas. S. McKenzie, Bank of
 San Jose Bldg., San Jose.

Plans Being Figured.

COTTAGES Cost, \$8,00 and \$6,000
 SAN JOSE, Santa Clara Co., Cal. Naglee
 Tract.

Two one-story cottages.

Owner—Gilger & Co.
 Architect—Chas. S. McKenzie, Bank of
 San Jose Bldg., San Jose.

Plans Being Figured.

BUNGALOW Cost, \$10,000
 SAN JOSE, Santa Clara Co., Cal. S-
 First St. near Shottenhamer Dist.
 One-story frame bungalow (plaster ex-
 terior, tile roof).
 Owner—Lugi Scaglione.
 Architect—Chas. S. McKenzie, Bank of
 San Jose Bldg., San Jose.

Bids in and Under Adviseiment.

COTTAGE Cost, \$8,000
 SAN JOSE, Santa Clara Co., Cal. Tully
 Road near the White Road.
 One-story frame and plaster cottage.
 Owner—P. Michals.
 Architect—Chas. S. McKenzie, Bank of
 San Jose Bldg., San Jose.

Plans Being Figured.

RESIDENCE Cost, \$7,500
 SAN JOSE, Santa Clara Co., Cal.
 Hanchet Tract, Bush and Tillman
 Avenue.
 One and one-half-story frame resi-
 dence.
 Owner—Carl Stutsman.
 Architects—Wolf & Higgins, Auzeirais
 Bldg., San Jose.

Plans Being Figured.

RESIDENCE Cost, \$12,000
 SAN JOSE, Santa Clara Co., Cal.
 Two-story plaster Colonial residence.
 Owner—Withheld.
 Architect—Warren Skillings, Garden
 City Bank Bldg., San Jose.
 Two bathrooms, tile floors, red gum
 finish, hardwood floors, hot air system
 and brick porches.

Sub-Figures Being Taken. To Be Done
by Days Work.

ALTERATIONS Cost, \$4,500
 SAN FRANCISCO, No. 977 Valencia St.
 Alter and add to frame residence and
 office (add 4 rooms, etc.)
 Owner—Dr. J. Graves, 34 Hill St., San
 Francisco.
 Architect—Alfred I. Coffey, Humboldt
 Bank Bldg., San Francisco.

Figures Being Taken For Concrete
Work.

RESIDENCE Cost, \$35,000
 BERKELEY, Alameda Co., Cal. Near
 Hotel Claremont (Oak Ridge Lots
 6 and 7).
 Two-story and basement frame and
 plaster residence (10 rooms and 4
 bathrooms).
 Owner—G. A. Mattern.
 Architects—Louis M. Upton and M.
 Latham, 354 Montgomery St., San
 Francisco.

Figures for the general contract will
be taken shortly.

The excavating and grading con-
 tract has been awarded to The Oak-
 land Paving Co. at \$3,500.

Contract Awarded.

RESIDENCE Cost, \$5,500
 SACRAMENTO, Cal. No. 1354 41st St.
 Two-story frame residence (6 rooms).
 Owner and Architect—E. C. Hemmings
 1203 "J" St., Sacramento.
 Contractor—E. A. Corum, 2523 Portola
 St., Sacramento.

Plans Being Prepared.

RESIDENCE Cost, \$—
 LOS ANGELES, Cal. Irving Blvd. near
 4th Street.

Two-story brick and frame residence
 (12 rooms and 4 bathrooms).

Owner—A. C. Davis.
 Architect—S. M. Cooper, 510 Merritt
 Bldg., Los Angeles.

RESIDENCE Cost, \$9,939

Contracts Awarded.
 November 28, 1919.
 SAN FRANCISCO, N Santa Marina 50
 W Prospect.

Two-story and basement frame resi-
 dence and garage (9 rooms and 3
 bathrooms).

Owner—R. A. Lure.
 Architect—Walter Falch, Hearst Bldg.,
 San Francisco.

Contractor—J. Prout, 2020 Turk St.,
 San Francisco.

SCHOOLS

Bonds Voted. Figures to Be Called in
About Ten Days.

SCHOOL Cost, \$24,000
 VISITACION, San Mateo Co., Cal.
 One-story frame school.
 Owner—Visitacion School District.
 Architect—Ernest L. Norberg, Bank-
 ers' Investment Bldg., S. F.

SACRAMENTO, Cal.—Architect John
 J. Donovan, of Oakland, is seeking a
 commission to prepare plans for school
 improvements under the recent \$3-
 064,000 bond issue.

There are now before the Board the
 offer of the Sacramento architects to
 do the work at 6 per cent; that of
 Shea & Loquist of San Francisco, to
 do the work at 2 per cent; and that of
 Francis W. Reid, whose offer was \$14-
 000 for the fourteen schools, if the
 William Land School plan 1/2 followed.

MODESTO, Stanislaus Co., Cal.—
 From plans prepared by Architect John
 J. Donovan, 414 13th St., Oakland, bids
 will be received by the Board of Trus-
 tees of the Modesto High School Dis-
 trict, Kathleen G. Prewitt, Clerk, up
 to December 15th, 8:30 P. M., for
 Cafeteria, Kitchen equipment and for
 the general work of the Cafeteria,
 Home economics and Classroom Addi-
 tion to the present High School build-
 ing, consisting of the Home Economics
 department, the Cafeteria and Class-
 rooms, with certain alterations to
 work in present building.

The following divisions of work are
 not included in these contracts: plum-
 bing, heating, and electrical work. They
 will be let under separate contracts.

NOTE:—Estimated cost, \$85,000.

Certified check of 10% payable to
 High School District of Stanislaus
 County must accompany each bid.

FRESNO, Fresno Co., Cal.—The con-
 tract for furnishing, delivering and in-
 stalling, 1000 or more, pupils' pressed
 steel combination desks of all sizes has
 been awarded by the Board of Educa-
 tion to Heywood Bros., and Wakefield,
 734 Howard street, San Francisco. The
 desks will be installed in the Fresno
 High School.

Three other bids were received from
 C. F. Weber, Rucker-Fuller Desk Co.
 and Maritzen-Kuns.

A complete list of the bids received
 may be seen at this office. J. R. Fon-

taine is Secretary of the Board of Education.

STORES AND OFFICES

Preliminary Plans Being Prepared.
BUSINESS BUILDING Cost, \$10,000
SAN JOSE, Santa Clara Co., Cal.
One-story reinforced concrete business building.

Owner—Withheld.
Architects—Binder & Curtis, Binder Bldg., San Jose.

Preliminary plans are also being prepared for two similar buildings to cost, \$10,000 and \$12,000 respectively.

Preliminary Sketches Being Prepared.
ALTERATIONS Cost, \$—
SAN JOSE, Santa Clara Co., Cal.
Alter store front. Fixtures, etc., for candy store.
Owner—Withheld.
Designer—Herman Krause, 130 S-First St., San Jose.

Plans Being Prepared.
ALTERATIONS Cost, \$7,000
SAN JOSE, Santa Clara Co., Cal. S-First Street.
Alter store front and interior.
Owner—Marcus Furrler.
Designer—Herman Krause, 130 S-First St., San Jose.

Days work.
ALTERATIONS Cost, \$7,000
SAN JOSE, Santa Clara Co., Cal. No. 160 S-First St., San Jose.
New front and interior fixtures.
Owner—Bonton Millinery.
Designer—Herman Krause, 130 S-First St., San Jose.

Day Work.
ALTERATIONS Cost, \$5,000
SAN JOSE, Santa Clara Co., Cal. No. 140 S-First St.
Interior alterations to store.
Owner—O. A. Hale & Co., Premises.
Designer—Herman Krause, 130 S-First St., San Jose

Contracts Awarded.
ALTERATIONS Cost, \$12,000
SAN JOSE, Santa Clara Co., Cal. S-First St. bet. San Carlos and San Salvador.

Alterations and additions to two-story and basement brick building.
Owner—Wm. Binder & Boschken.
Architects—Binder & Curtis, Binder Bldg., San Jose.

MIL Work awarded to Pacific Mfg Company.

Glass—Garden City Glass Co.
Carpentry—Z. O. Field.
Brick kWork—Baker.
Plumbing—Moenning & Howard.
Sheet Metal—Garden City Sheet Metal Works.

Electric—San Jose Electrical Co.
Hardwood—Floor Strable Mfg. Co.
Roofing—Johns Manville Co.
Marble—A. B. Barker.

The following contracts have not been let.

Plastering, Painting and store fronts

Plans Being Prepared.
COMMERCIAL BLDG. Cost, \$10,000
SAN JOSE, Santa Clara Co., Cal. San Antonio bet. 1st and Market.

Two-story reinforced-concrete commercial building.

Owner—T. S. Montgomery.
Architects—Binder & Curtis, Binder Bldg., San Jose.

Plans Being Prepared.
ALTERATIONS Cost, \$5,000
SAN JOSE, Santa Clara Co., Cal. Second Street near Santa Clara.
Alter and add to reinforced concrete building (undertaking parlors).
Owner—Curry & Grippenstraw.
Architects—Wolfe & Higgins, Auzeais Bldg., San Jose.

Plans Being Figured.
STORE BLDG. Cost, \$—
LOS BANOS, Merced Co., Cal.
One-story reinforced concrete store building (shoe store). Frame to be strong enough for an additional story.
Owner—Withheld.
Architect—C. Fantoni, 550 Montgomery St., San Francisco.

Plans Being Figured.
STORE BLDG. Cost, \$—
LOS BANOS, Merced Co., Cal.
One-story reinforced concrete store building. 25x75 3 stores; (saloon, restaurant, etc.) Frame to be strong enough for an additional story.

Owner—Withheld.
Architect—C. Fantoni, 550 Montgomery St., San Francisco.

Contract Awarded.
FRAME MARKET Cost, \$5,990
SAN FRANCISCO. SE Clement and 32nd Avenue.

One-story frame market.
Owner—Dominic Trevisani, 3034 Clement St., San Francisco.
Architect—C. Fantoni, 550 Montgomery St., San Francisco.
Contractor—G. M. Hantzsche, 528 31st Ave., San Francisco.

Contract Awarded.
STORE BLDG. Cost, \$—
VALLEJO, Solano Co., Cal.
One-story reinforced concrete store building (strong enough to carry 4 stories).
Owner—Harry Handlery.
Architect—Bernard J. Joseph, Call Bldg., San Francisco.
Contractor—S. J. Weeks, Vallejo.
(27552) 1st report May 22; 3rd Oct.

Architects Taking Preliminary Estimates.
BANK AND OFFICES Cost, \$500,000
SAN FRANCISCO. NW Eddy and Powell Streets.

Six-story Class "A" bank and offices.
Owner—Bank of Italy.
Architects—Bliss & Faville, Balboa Bldg., San Francisco.
The steel, grading and foundation contracts have been awarded.

Contract Awarded.
UNDERTAKING PARLOR, ETC. Cost, \$15,320.
SAN FRANCISCO. W Buchanan Street S Turk.

Two-story frame undertaking parlor and chapel (brick veneer facing).
Owner—Chevra Kadisha.
Architect—S. Heiman, 57 Post St., San Francisco.

Contractor—Louis Cohn, 625 Market St., San Francisco.

Plans Being Figured.
STORE Cost, \$3,000
SAN JOSE, Santa Clara Co., Cal. Market and Santa Clara Streets.

One-story brick store.
Owner—John Rosslich.
Architect—Chas. S. McKenzie, Bank of San Jose Bldg., San Jose.

Bids in and Under Advisement.
STORE Cost, \$5,000
SAN JOSE, Santa Clara Co., Cal. Fifth St. near Jackson.
One-story reinforced concrete store building, 32x60.
Owner—Withheld.
Architects—Wolf & Higgins, Auzeais Bldg., San Jose.

Plans Being Figured.
OFFICE BUILDING Cost, \$100,000
SAN FRANCISCO. N Pine Street, bet. Front and Davis, W of Oceanic Building.

Two-story and basement Class "A" office building (frame to be strong enough for 6 additional stories) 87½ foot frontage.

Owner—Ames-Harris Neville Co., 100 Potrero Ave., San Francisco.
Architect—J. R. Miller, Lick Bldg., San Francisco.
The entire first floor will be used for offices of the owners.

Preliminary Plans Being Prepared.
AUTO SALES BLDG. Cost, \$—
SAN FRANCISCO. N Pine near Polk.
Two two-story reinforced concrete auto sales buildings.
Owner—J. Eisenbach, Flatiron Bldg., San Francisco.
Architect—A. H. Knoll, Hearst Bldg., San Francisco.

Plans Being Prepared.
STORES Cost, \$—
CHICO, Butte Co., Cal. Third and Salem Streets.
One-story (3) stores.
Owner—J. H. Minderman and C. F. Reynolds, Chico.
Architect—Shester Cole, Waterland-Breslau Bldg., Chico.

Contract Awarded.
STORE - Cost, \$12,000
ST. JOHNS, Oregon.
One-story brick and tile store, 75x100.
Owner—St. Johns Hardware Co.
Architects—De Young & Rold, Spalding Bldg., Portland.
Contractor—R. D. Crowe, Sherlock Bldg., Portland.

THEATRES

Plans Being Completed.
ALTERATIONS Cost, \$10,000
FRESNO, Fresno Co., Cal.
Alterations and changes for theatre.
Owner—Bijou Theatre.
Architects—Coates & Traver, Rowell Bldg., Fresno.

Work will include the erection of marquee and electric sign.

Plans Being Prepared.
THEATRE Cost, \$2,000,000
LOS ANGELES. NE 6th and Hill Sts.
Class "A" theatre.
Owner—D. J. and Syd Grauman.
Architect—Chas. Lamb, New York City.
Mr. Lamb is in Los Angeles stopping at the Alexandria Hotel and will leave for San Francisco Sunday evening.

Plans Ready For Figures.
ALTERATIONS Cos, \$50,000
SACRAMENTO, Cal. "J" Street.
Extensive alterations to theatre.
Owner—Ackerman & Harris.
Architect—E. C. Hemmings, 1203 "J" St., Sacramento.

ENGINEERING

BRIDGES, DAMS & HARBOR WORK

ZAMORA, Yolo Co., Cal.—The following have been appointed a committee to secure data regarding the construction of a new county bridge to replace the present structure at the north end of town: F. Clover, Herman Walker and D. H. Long.

A structure consisting of a 150-foot span and costing about \$15,000 is planned.

LOS ANGELES, Los Angeles Co., Cal.—F. W. Young, 307-8 Wright & Calender Bldg., Los Angeles, who has the contract for the Sherman drive improvement at \$32,000, awarded last April, has accepted service, the money now being available. The work includes a reinforced concrete bridge over the Pacific Electric Railway tracks to cost about \$18,000, for which the Darrell Condley Co. has a sub-contract.

SANTA ROSA, Sonoma Co., Cal.—The City Council has ordered the City Engineer to proceed with the construction of the septic tank at the Sewer Farm. The tank is estimated to cost \$6,000 and will be 400 feet long, 15 feet wide and 5 feet deep.

SAN FRANCISCO.—I. R. Kissell submitted the only bid to the Board of Public Works for cleaning and painting bridges at Third and Channel, Islais Creek and Third street and San Jose and Mt. Vernon avenues at \$5,500; \$3,500 and \$2,453, respectively, total, \$11,453 or if awarded contract for all three structures agreed to complete the work for \$10,853.

As the affidavit accompanying the bid was not signed it is probable that it will be rejected and new bids called.

NAPA, Napa Co., Cal.—The County Supervisors, James Daly, Clerk, has awarded a contract to Simon Lenz & Son, for the construction of reinforced concrete extensions to nine stone bridges between Napa and Rutherford, the bid being \$3,043.50.

Other bidders were: Frank Gaggero, \$3,914.50; C. H. Gildersleeve, \$5,687.50.

NAPA, Napa Co., Cal.—The County Supervisors have awarded a contract (informal) to Frank Gaggero, Pine and Jefferson Sts., Napa, for the construction of a retaining wall at Steele Canyon Bridge, the work not to exceed \$300 in cost. James Daly is County Clerk.

IRRIGATION WORK

BRIDGEPORT, Mono Co., Cal.—The proposed diversion of the waters of tributaries of Mono Lake for the irrigation of 300,000 acres of land on the great Mohave Desert is declared feasible by government engineers who have been working on preliminary surveys for several months.

The waters will have to be carried 260 miles, crossing a mountain range, before they reach the lands to be watered.

The project was first suggested by C. W. Anderson, a rancher of Mohave who

proceeded to organize an irrigation district and urge an investigation upon the government. The report recommends that the project be left entirely in the hands of the government.

GRIDLEY, Butte Co., Cal.—Meetings are being held here to further the Butte Creek Reclamation project, under consideration by owners of 160,000 acres of land in Butte, Colusa and Glenn counties. Jerome D. Peters has been appointed Chairman of the organization committee.

Owners of 51 per cent of the acreage involved must endorse the project before it can be submitted to the State Engineer for approval. P. H. Tullock of the Sutter-Butte Canal District has submitted engineering data regarding the project.

LIGHTING SYSTEMS

ORANGE, Orange Co., Cal.—The following bids were received by the City Trustees for constructing an ornamental lighting system on Chapman and Glassell streets: A. J. Lieh, \$18,000; C. W. Sparks, \$19,675; P. E. Newbery Electric Co., \$20,922; D. S. McEwan Electric Co., \$24,600; Southern California Electric Co., \$24,864.

SANGER, Fresno Co., Cal.—An ordinance providing for the installation of an electrolizer system has been adopted by the City Trustees.

The system will be installed in the business section and extends from "P" street across the Southern Pacific right of way to "H" street, and for one block on each side of Seventh street.

MACHINERY

SANTA ROSA, Sonoma Co., Cal.—The County Supervisors are considering the purchase of road machinery with which to construct units of the county highway system for which bids were recently rejected, and ordered done by day labor. Members of the Board spent several days in San Francisco looking over prospective purchases, but nothing definite was accomplished.

W. W. Felt Jr., is County Clerk, and Lloyd Aldrich, County Highway Engineer.

SEWERS, STREET WORK, ROADS AND WATER SYSTEMS

CORNING, Tehama Co., Cal.—The Board of Trustees, E. L. Randal, City Clerk, has ordered the construction of cement sidewalks five and four feet wide as follows:

East side of Sixth Ave. from the intersection of South St. to the intersection of Solano St.

North side of Yolo St. from the intersection of Sixth St. to the intersection of West St.

North side of Yolo St. from the intersection of West St. running westward 100 feet.

West side of West St. from the intersection of Yolo St. to the intersection of Solano St.

East side of Hoag St. to the intersection of Marin St.

North side of South St. from the intersection of West St. eastward to the intersection of Fifth St.

Pacific PIPE

SAVES YOU MONEY

New and re-newed screw casing and standard pipe for every requirement; tested and guaranteed for 150 pounds working pressure; dipped in hot asphaltum to prevent corrosion. Extensively used by orchardists and farmers, water-works, mines, etc.

Pacific Screw Casing is seamless steel pipe, light weight, fine thread. Saves you from one-half to two-thirds in cost; freight is half as much as on standard pipe.

Fittings and valves for every purpose; special fittings made to order. Tell us today what your requirements are; let us save you money.

PACIFIC PIPE CO.,

231 Howard St. San Francisco

West side of Houghton Ave. from the intersection of Butte St.

North side of Butte St., from the intersection of West St. to the intersection of Sixth St.

South side of Butte St. from the corner of Sixth St., 100 feet west to connect with cement sidewalk on south side of Butte St.

West side of Sixth St. from the intersection of Butte St. to the intersection of Colusa St.

Along the South side of Chestnut St. from the intersection of First St. to the intersection of Second St.

South side of Chestnut St. from Peach St. to the intersection of Pear St.

Four Feet Wide.

East side of Sixth Ave. from the intersection of Fig Lane to intersection of Center St.

West side of Link Ave. from the intersection of South St. to the intersection of Center St., and also from Center St. to the south line of the Pickett property.

East side of West St. from the intersection of Center St. to the intersection of South St.

West side of Peach St. from the intersection of Walnut St. to the intersection of Chestnut St.

Also substantial gravel sidewalks shall be laid and put down on the following streets:

Rice Ave. from the intersection of West St. to the intersection of Hoag St.

East side of Thomas Ave. from the intersection of Scott St. to the intersection of Taft Ave.

South side of Taft Ave. from the intersection of Thomas Ave. to the intersection of Houghton Ave.

South side of Chestnut St. from the intersection of First St. to the intersection of Last St.

Along the south side of Walnut St. from the intersection of Pear St. to the intersection of Prune St.

Along the south side of Walnut St. from the intersection of Prune St. to the intersection of Fig St.

Along the south side of Yolo St. from intersection of West St. to Hoag St.

GRADE SEPARATION PROJECT.

SEATTLE, Wash.—The City Council has approved the recommendation of the Board of Public Works regarding the grade separation problem in the district south of the depots and instructed the City Engineer to prepare plans for the undertaking under Plan No. 1 as favored by the board and authorized the draft of an ordinance covering the work planned at once. The cost of the entire project has been estimated at \$14,500,000, a large portion of which would be borne by the railroads.

PITTSBURG, Contra Costa Co., Cal.—The City Trustees, James Fitzgerald, City Clerk, have awarded a contract to Hutchinson Co., for the improvement of Tenth street from the east to the west limits of the city by grading; constructing concrete curbs and paving with a 6-inch concrete pavement; covering same with a heavy coat of oil and rock screenings; constructing six 24-inch half circle iron culverts.

TOMBSTONE, Ariz.—All bids received November 17 for constructing Sections 2-A and 2-B of the Bisbee-Douglas highway were rejected on recommendation of State Engineer Thos. Maddock, who considered them too high. Eaton & Smith bid \$113,625 on Section 2-A and \$127,728 on Section 2-B. Mr. Osborn bid \$115,515 and \$116,899 respectively.

YUCAIPA, San Bernardino Co., Cal.—The Redlands & Yucaipa Land Co. has decided to construct a water system for that section of the valley known as the Dunlap ranch. Several pumping plants and reservoirs will be constructed and steel pipe lines laid at a cost of about \$100,000. E. M. Lyon is president and G. A. Atwood, general manager of the company.

FRESNO, Fresno Co., Cal.—The State Railroad Commission has granted the Fresno County Supervisors permission to construct a public highway across the tracks of the Southern Pacific on Main street, in Raisin City, and directs the closing of Palm avenue. The Engineering Department of the Commission in recommending the granting of the permit recommends that Manning avenue be paved to Palm avenue, that Hayes avenue be paved from Manning avenue south to Main street, and that Main street be paved west as far as Palm avenue, and that either Main street or Palm avenue be paved from this point.

FRESNO, Fresno Co., Cal.—Estimates providing for the pavement of the driveways and walks in the County Hospital grounds have been presented to the Supervisors by County Engineer Chris P. Jensen, who estimates the cost of the work between \$6,000 and \$9,000.

According to the engineer 60,000 square feet of pavement will be required to cover the driveways, an item that will cost, he estimates, \$6,000. The installation of a concrete curb at the edges will cost 50 cents per lineal foot, or an additional item of \$3,000.

He suggests a 4-inch bituthittic pavement with a Warrenite surfacing.

ROAD SURVEYS UNDER WAY.

MARTINEZ, Contra Costa Co., Cal.—Surveys for the paving and grading of the county highway from Luzon bridge to Barry hill are being made by County Engineer R. R. Arnold. The road from Luzon (Hercules town limits) to the foot of Barry hill will require very little grading as it lies along the floor of Rodeo Valley and with only one bridge to be erected will be completed by next summer.

VALLEJO, Solano Co., Cal.—Lack of funds prevents the paving of the alley in the rear of the Lincoln School building, according to a communication from the City Council to Superintendent of Schools A. C. Barker.

FRESNO, Fresno Co., Cal.—Four bids were submitted to the County Supervisors, Chris. P. Jensen, County Highway Engineer, for paving Elm avenue. The bids follow:

Blanchard, Crocker & Howell 58 2nd St., San Francisco, to complete in 300 days, grading, \$1.34 per square yard; laying of base, \$17 per yard; culverts, \$3,500 and railings, \$48.

Federal Constr. Co., to complete in 240 days, grading, \$1 per yard; concrete, \$16.34; culverts, \$2,800 and railings \$48.

A. H. Vaughn to complete in 210 days, grading, \$1.35 per yard; concrete, \$17.25 per yard; culverts, \$3,300 and railings \$64.

Rogers Bros. to complete in 200 days, grading, \$1.20 per yard; base, \$16.29 per yard; culverts, \$3,000 and railings, \$74.

According to the figures of Engineer Jensen the bid was on a basis of approximately \$23,370 per mile as against \$25,333.28, on identical specifications calling for untopped concrete of the rich mixture. The Federal Construction Company's bid aggregates \$234,445.50, and that of Rogers Bros. \$234,213.50. The engineer's estimate for the contract was \$241,536.

It is probable that the contract will be awarded the Federal Construction Company.

IMPERIAL, Imperial Co., Cal.—Bonds to the amount of \$35,000 to re-surface Main street and Imperial avenue, \$20,000 to pave approaches to Imperial avenue, and \$25,000 to pave approaches to Main street, were carried at a special election.

STOCKTON, San Joaquin Co., Cal.—The Supervisors have appointed a committee to secure data regarding the proposed extension of North street directly through to Cherokee land in order to give an entrance to the city of Stockton from the east.

TRACY, San Joaquin Co., Cal.—City Engineer W. J. Larkin at the last meeting of the City Trustees submitted estimates of cost providing for the improvement of Eleventh street, and recommends that the present pavement be used as a base for concrete. Scarifying this pavement, putting down concrete with concrete curb will amount per front foot to approximately \$5.93.

LOS ANGELES, Los Angeles Co., Cal.—Geo. H. Oswald, 405 O. T. Johnson Bldg., Los Angeles, was awarded the contract at \$92,228.43 for paving Washington street between Arlington street

and the west city boundary, involving 316,316 sq. ft. grading at 3c sq. ft.; 316,316 sq. ft. asphalt paving at 22½c sq. ft.; 57 lin. ft. cement curb at 60c ft.; 353 sq. ft. cement sidewalk at 18c ft.; 9464 sq. ft. concrete gutter at 38c ft.; 4280 sq. ft. granite block gutter at 50c ft.; storm drain to cost \$5000 and house connection sewers at \$1.30 ft. Other bids received by the Board of Public Works were: Fairchild-Gilmore-Wilton Co., \$93,036.93; Geo. R. Curtis, \$95,106.22; Bryant & Austin, Inc., \$109,555.02.

GRASS VALLEY, Nevada Co., Cal.—The City Trustees have adopted plans and specifications prepared by Albert Givan, Engineer, Forum Bldg., Sacramento, for concrete paving from the terminal of the state work at the south city limits to the present paving at Mill street, the route being by way of Neal, Church and Main streets. The plans also provide for a macadam roadway on Auburn between Neal and Main. The work will cost about \$27,000.

SACRAMENTO, Cal.—The following bids were received November 24th by the California State Highway Commission for highway improvement:

Siskiyou County, between Weed and Southerly Boundary (II-Sls-3-A), about 18.2 miles in length to be paved with Portland cement concrete.

F. Rolandi, S. F. \$220,820

R. C. Storrie, S. F. 235,300

Engineer's Estimate, \$145,705.

Del Norte County between Cushion Creek and Crescent City (I-D-N-1-B), about 4 miles in length to be graded.

Palmer & McBryde, S. F. \$49,037

Wilmshurst & Reddy, Orick 49,297

Engineer's Estimate, \$32,537

San Diego County, between Caserebe Ranch and Tecate Divide (VII-S-D-12-F), about 13.8 miles in length to be graded.

Wright & Doran, San Diego, \$168,267

Chas. D. Soteras, Los Angeles, 202,973

Engineer's Estimate, \$194,157

San Diego County, between Pine Valley and Caserebe Ranch (VII-S-D-12-E), about 6.6 miles in length to be graded.

M. D. Goodbody, San Diego, \$55,827

Maurice Ryan & Son, San Diego 72,609

Engineer's Estimate, \$—

VISALIA, Tulare Co., Cal.—Bids will be received by the County Supervisors up to December 17th for the construction of sidewalks around the county courthouse grounds.

Plans may be had from the County Clerk at Visalia.

SAN LORENZO, Alameda Co., Cal.—Bids will be received up to December 15th. 8 P. M., by City Clerk, J. J. Gill, for furnishing labor and materials for the grading and macadamizing of Thornton street, from the west boundary of the city to a line parallel and distant two feet southwest from the main track of the S. P. Railway.

Plans may be seen at the office of H. H. Goodwin, City Engineer, 579 25th St., Oakland.

OROVILLE, Butte Co., Cal.—The Supervisors have instructed Martin C. Polk, County Engineer, to proceed with the improvement of Valambrosia avenue from the Cemetery Bridge east.

SANTA ROSA, Sonoma Co., Cal.—Bids will be received by the County Supervisors, W. W. Felt, Jr., County Clerk, up to December 10th, 12 M., for the construction of new Occidental Road in Second Road District; construction of Petaluma-Sonoma Highway Section B; and a reinforced concrete bridge over Copeland Creek, on the Snyder Lane Road, about one and nine-tenths miles northerly from Cotati.

OAKLAND, Cal.—The County Engineer is making a survey for the proposed road from Alvarado to San Lorenzo, which will be covered with a concrete surface.

The Supervisors are planning the improvement of the Niles-Centerville road and the Centerville-Newark road with a concrete surface, the work to be under way by next July. Geo. E. Gross is County Clerk.

BENICIA, Solano Co., Cal.—The City Trustees have awarded a contract to W. J. Schmidt, Cedar and Sacramento Sts., Berkeley, at \$5,325 for the construction of sewers planned under "East Side Sewer District No. 2."

The bid of T. R. Clinch was rejected as not being complete.

A petition having been received asking the extension of sewers and water pipes in Bessie street from the highway, a distance of 150 feet, the Trustees awarded a contract to J. E. Johnston of Tracy to do the work.

OROVILLE, Butte Co., Cal.—H. Brooks has been awarded a contract by the County Supervisors to gravel the Creek road from Nord avenue to the Sacramento river, the contract price being \$1.25 per yard. M. C. Polk is County Engineer.

THE DALLES, Ore.—The City Council has been awarded a contract for grading, basing and surfacing nine blocks in Elm street, Kelly avenue and West Eighth street to the United Contracting Co., of Portland, at \$39,167.80.

PORTLAND, Ore.—The City Engineer has completed plans for the following projects, and a call for bids will be issued shortly:

\$125,012.75 for sewers; \$214,647 for hard-surfaced streets; \$11,362 for new sidewalks and \$5,037 for macadam roadways.

SACRAMENTO, Cal.—A petition has been received by the City Commissioners asking the improvement of Thirty-second street from Montgomery Way to Sixth Avenue. The matter has been referred to Commissioner of Streets, D. W. Carmichael.

FIRE EQUIPMENT

OAKLAND, Cal.—Bids will be received by the County Supervisors, Geo. E. Gross, County Clerk, up to December 22nd, 10 A. M., for the construction of a fire protection system for the Arroyo Sanatorium, near Livermore, Alameda County, Cal.

Certified check of 10% payable to Geo. E. Gross, County Clerk, must accompany each bid.

Plans may be seen at the office of the County Clerk.

THE FIRST PAN AMERICAN CONGRESS OF ARCHITECTS.

The organizing committee has announced that the first Pan American Congress of Architects will meet March 1, 1920, at Montevideo. The architects of all the Americas are invited to attend and to exhibit their work, and the presence of the presidents and faculties of all schools of architecture is especially desired. The chief purposes of the long planned convention are the demonstration of American architectural advancement, the discussion of artistic and technical development, and the increase of professional solidarity. Both practicing and student architects are eligible as exhibitors, and prizes will be awarded to architects, schools or faculties, and individual students in accordance with the decisions rendered by a chosen International Jury composed of professors of architecture.

The work of architects for exhibition are comprised in the following classification:

First, Projects of public buildings and monuments.

Second, Projects of private buildings and monuments.

Third, Projects of decoration.

Fourth, Details and motives of architecture.

Fifth, Works upon the History of Architecture in America.

The projects mentioned in the first two classifications must be presented with their plans, frontage and sections. They may or may not correspond to buildings already finished. When dealing with completed buildings the exhibitor may present photographs of frontages or interiors to complete his idea. Details and perspectives will be admitted.

The projects of decoration mentioned in the third category must be composed of all the parts necessary for their clear understanding. Details and motives of architecture referred to in the fourth category may be presented in the form considered best and photographs will be accepted in order to complete subjects. Studies upon the History of Architecture may be presented in accordance with the best judgment of the exhibitor.

All exhibits must deal with buildings or monuments already constructed, or to be carried out in America.

Exhibits must have the name and address of the exhibitor as well as its destination written clearly, and must be delivered to the Organizing Committee at Montevideo not later than February 10, 1920.

There will be established one or more Grand Prix D'Honneur with Gold Medal for the best projects corresponding to the first three categories of works, Gold Medals, First Mentions with Silver Medals, Second Mentions with Silver Medals and Merit Diplomas for every one of the five categories.

Work of students which has been done in the schools under the direction of the professor and with his approval, is eligible, providing it has been completed within the term in which programmed and is accompanied by such program. The signature of the professor and of the student and the date must also be upon the work.

One or more Gold Medals for the best works presented by each school or

tions and Merit Diplomas for the best works of each course.

COMMITTEE APPOINTED TO SUPERVISE HANDLING OF OAKLAND SCHOOL PLANS.

OAKLAND, Cal.—An auditing committee of five citizens, to supervise the handling of the building program about to be undertaken under the recent \$5,000,000 school bond issue was appointed at a special meeting of the school board held to decide the question after the failure of the members to agree on the point.

Following the meeting the names of the members of the committee selected were announced as follows: Fred Kahn and James Pedgrift, members of the advisory bond committee; George Randolph and Joseph King. The fifth member is to be selected by the four named by the board.

A revised report of the building program committee of the board covering the duties of the auditing committee was adopted by the board, providing that the citizens' committee shall work jointly with and bring to the consideration of the board for final action all matters involving the expenditures of bond money in the building program, and shall co-operate with the board in carrying out the building program already recommended.

In addition, the committee shall have the power to consider and report on the plans for the establishment of a construction department to have supervision over construction work, the hiring of architects and engineers, the purchase of sites, the execution of plans, specifications and contracts, and the expenditure of all funds. All matters of policy and procedure pertaining to the purchase of sites and the erection of buildings provided in the building program will be undertaken only after conference with the committee.

MILLION AND A HALF FOR SAN JOSE PROJECTS.

SAN JOSE, Cal.—Rolly S. Kooser, head of the Builders' Exchange, states that more than a million and a half dollars worth of building in and about San Jose has been contracted for, the building to be carried out within the next few months. This amount, Kooser states, is unprecedented in the history of the county. The winter months usually show a decided drop in building activities, but this year the increase is phenomenal. Practically all of this work has been contracted for by San Jose contractors and builders.

TO CALL BIDS FOR INYO COUNTY COURTHOUSE.

INDEPENDENCE, Inyo Co., Cal.—Plans for the proposed Inyo County Courthouse will be ready for final approval at the December session of the Inyo County Supervisors, which is set for December 9th. This decision was made at the last meeting of the County Board, when Architect W. H. Weeks, 75 Post St., San Francisco, agreed to have complete plans and specifications ready for calling bids.

The structure will cost about \$150,000.

CONTRACTS AWARDED

Liens, Acceptances, Etc.

BUILDING CONTRACTS

San Francisco County

No.	Owner	Contractor	Amt.
2573	Hladik	Hladik	8000
2574	Curtaz	Helbing	25000
2575	Hazeltine	Owner	1000
2576	Lange	Owner	400
2577	Kass	Coggins	1000
2578	Morris	Owner	5000
2579	Middendorff	Owner	500
2580	St. Francis	Reeder	10600
2581	Balfour	Mangrum	5500
2582	Balfour	Morehouse	2350
2583	Brown	Mission	2600
2584	Brown	Sullivan	1900
2585	Gibbs	Gibbs	1500
2586	Graves	Graves	4000
2587	Travis	Hantzschke	5890
2588	Chevre-Kadisha	Cohn	15420
2589	Spiro	Peterson	700
2590	Bergerot	Bergerot	800
2591	Wormser	Sturges	500
2592	Western Button	Gulsti	975
2593	Marcus	Pizzo	1000
2594	Savory	Zimmerman	3235
2595	Univ Title	Butte	340
2596	Johnson	Owner	10900
2597	Marg	Sockolov	3500
2598	Parkside Rity	Keenan	9800
2599	Correntino	Fillippo	750
2600	Hamill	Owner	3000
2601	Allred	Smith	9000
2602	Laidlow	Smith	2075
2603	Greater City Lbr	Ohlsen	3000
2604	McAllister	Brady	900
2605	Kern	Kern	2000
2606	Thompson	Owner	48000
2607	Skelly	Owner	49000
2608	Thompson	Malloch	1000
2609	Hermann's	Merchant	1516
2610	Pac G. & E.	Clinton	89370
2611	Ernkman	Hansen	7500
2612	Prince	Monson	8000
2613	S F Home Bldg	Owner	2000
2614	U R R Co	Owner	700
2615	Moneta	Anderson	3873
2616	Parkside	Keenan	9445

APARTMENTS

(2573) S LINCOLN WAY 40 W 21st Ave. Two-story and basement frame (1) apartments. 27-6x62. Owner—Anna Hladik, 825 Monadnock Bldg., San Francisco. Architect—J. C. Hladik, Monadnock Bldg., San Francisco. Day's work. COST, \$8000

GARAGE

(2574) N ELLIS 164 E Van Ness. Two-story concrete garage, 55-9x120. Owner—Oscar M. Curtaz, 521 Hayes, San Francisco. Architect—Owner. Superintendent—Wm. Helbing, 521 Hayes, San Francisco. COST, \$28,000

GARAGE

(2575) NE MASONIC and Waller (rear). One-story frame (private) garage. Owner—Chas. Hazeltine, 1260 Masonic, San Francisco. Architect—D. J. Patterson, 46 Kearny, San Francisco. Day's work. COST, \$1000

REPAIRS

(2576) NE BOYD and Chesley. Repairs for stable. Owner—Wm. A. Lange, 422 Montgomery, San Francisco. Architect—None. Day's work. COST, \$400

ALTERATIONS

(2577) NO. 1730 FILLMORE. Erect plaster partition and build lunch counter. Owner—Chas. Kass, care Leader Dairy Lunch, 6th and Stevenson, S. F. Architect—None. Contractor—J. M. Coggins, 115 Turk, San Francisco. COST, \$1000

DWELLING

(2578) W TWELFTH 275 S Fulton.

Two-story and basement dwelling, 25x50. Owner—A. T. Morris, 501 11th Ave., San Francisco. Architect—None. Day's work. COST, \$5000

ALTERATION

(2579) NO. 3515 TWENTY-THIRD. Alter present kitchen for bed room. Owner—Henry Middendorff, 664 Hayes, San Francisco. Architect—None. Day's work. COST, \$500

GRADING, ETC.

(2580) NE BUSH AND HYDE E 195, 137-6, N 10, 137-6, S 147-6. Grading, excavations, etc., for two six-story class "B" Bldgs. Owner—St. Francis Hospital Co., corner Bush and Hyde, San Francisco. Architect—Alfred I. Coffey, Humboldt Bank Bldg., San Francisco. Contractor—A. J. Reeder, 110 Jessie, San Francisco.

Filed Nov. 24, '19. Dated Nov. 17, '19. On 1st and 15th of each month. 75% Usual 35 days. TOTAL COST, \$10,600 Bond, \$5345. Sureties, New Amsterdam Casualty Co. Forfeit, \$10. Limit, none. Plans and specifications filed.

FLOOR AND WALL TILE

(2581) SE CALIFORNIA and Sansome S 89x6 129-934. Floor and wall tile for 12-story class "A" office building. Owner—The Balfour-Guthrie Investment Co., by P. J. Walker Co., Monadnock Bldg., San Francisco. Architect—Geo. W. Kelham, Sharon Bldg., San Francisco. Contractor—Mangrum & Otter, 827 Folsom, San Francisco. Filed Nov. 24, '19. Dated Nov. 19, '19. Monthly of. 75% Usual 35 days. TOTAL COST, \$5500 Bond, \$2750. Sureties, The Fidelity & Casualty Co. of New York. Forfeit, none. Limit, 60 days. Plans and specifications filed.

(2582) FURRING AND LATHING on above. Contractor—C. C. Morehouse, 872 Folsom, San Francisco. Filed Nov. 24, '19. Dated Nov. 18, '19. Same as above. TOTAL COST, \$45,330 Bond, \$22,695. Sureties, The Fidelity and Casualty Co. Forfeit, none. Limit, as required. Plans and specifications filed.

(2583) N BUSH 137-6 W Taylor, W 82-8x6 137-6. Reinforced concrete and reinforced steel for retaining wall. Owner—David R. C. Brown. Engineer—H. J. Brunier, Sharon Bldg., San Francisco. Contractor—Mission Concrete Co., 180 Jessie, San Francisco. Filed Nov. 24, '19. Dated Nov. 10, '19. Completed. \$1950 Usual 35 days. TOTAL COST, \$650 Bond, none. Sureties, J. S. Malloch, and Jno Cassaretto. Forfeit, none. Limit, 45 days. Specifications only filed.

(2584) BULKHEADING EXCAVATION, back filling and removing of old retaining wall on above. Contractor—D. J. & T. Sullivan, Inc., 1940 Folsom, San Francisco. Filed Nov. 24, '19. Dated Nov. 10, '19. Completed. \$1425 Usual 35 days. TOTAL COST, \$1900 Bond, Sureties, Forfeit, none. Limit, 45 days. Specifications only filed.

APARTMENTS

(2585) S SACRAMENTO 171-104, E Hyde. Three-story and basement (12) apartments.

Owner—J. Gibbs, 1708 Geary St., San Francisco. Architect—None. Day's work. COST, \$15,000

ADDITION

(2586) NO. 977 VALENCIA. Add 4 rooms for doctor's office and residence. Owner—Dr. J. H. Coffey, 34 Hill St., San Francisco. Architect—A. I. Coffey, Humboldt Bank Bldg., San Francisco. Day's work. COST, \$4000

FRAME MARKET

(2587) SE CLEMENT AND THIRTY-second Ave. One-story frame market. Owner—Dominic Trevisan, 3043 Clement St., San Francisco. Architect—C. Fantoni, 550 Montgomery St., San Francisco. Contractor—G. M. Hantzschke, 528 31st Ave., San Francisco. COST, \$5890

UNDERTAKING PARLOR

(2588) W BUCHANAN 87-6 N Golden Gate Ave. Two-story frame undertaking parlors. Owner—The Kalisha, Inc., Laguna and Grove, San Francisco. Architect—S. Heiman, Mechanics' Institute Bldg., San Francisco. Contractor—Louis J. Cohn, 625 Market St., San Francisco. COST, \$15,420

ALTERATIONS

(2589) No. 2367 MISSION. Remove stairway and change show windows of market. Owner—Spiro Bros., 309 Market St., San Francisco. Architect—None. Contractor—Antone Petersen, 2722 San Bruno Ave., San Francisco. COST, \$700

ALTERATIONS

(2590) NO. 1099 MISSION. New entrance for store; composition flooring; marble work, etc. Owner—P. A. Bergerot, 110 Sutter St., San Francisco. Architect—None. COST, \$800

FRAME GARAGE

(2591) NO. 55 FIFTH AVE. One-story frame garage. Owner—Gustave Wormser, Premises. Architect—None. Contractor—Benj. Sturges, 3931 Geary St., San Francisco. COST, \$500

ALTERATIONS

(2592) SE FIFTEENTH AND UTAH. Extend factory building. Owner—Western Button Factory, 619 Sansome St., San Francisco. Architect—None. Contractor—A. Gulsti, 617 Sansome St., San Francisco. COST, \$975

ALTERATIONS

(2593) NO. 72 CIRCULAR. Concrete floor and foundation for dwelling and alter interior. Owner—Mrs. R. F. Marcus, 10 Sunnyside Ave., San Francisco. Architect—None. Contractor—V. Pizzo, 137 Charlton Ave., San Francisco. COST, \$1000

PAINTING, ETC.

(2594) S SUTTER 160-5 E Jones. All work for painting, papering, etc., for five-story and basement reinforced concrete apartment building. Owner—John Savory, 1540 Clay, San Francisco. Architect—Rousseau & Rousseau, 110 Sansome St., San Francisco. Contractor—S. F. Zimmerman, S. F. Filed Nov. 24, '19. Dated Nov. 2, 1919.

1st coat done\$300
3rd coat done 800
Completed 800
Usual 35 days 800
TOTAL COST, \$2325

Bond, none. Limit, as soon as possible. Forfeit, none. Plans and specifications, none.

ELECTRIC WORK

(2595) N HARRISON NO. 938-958
Harrison Electric conduits, switches, wire and connections for electric motor installations.
Owner—Universal Tire & Rubber Co.
Architect—None.
Contractor—Butte Electrical Equipment Co., 530 Polson St., S. F.
Filed Nov. 25, '19. Dated Nov. 14, '19.
On 1st of each month 75¢
Usual 35 days 2000
TOTAL COST, \$3400

Bond, limit, forfeit, none. Plans only filed.

FRAME FLATS

(2596) SW ANZA AND SIXTEENTH
Ave. Two-story and basement frame (4 flats)
Owner—Johnson & Johnson, 844 14th, San Francisco.
Architect—None.
Day's work COS, \$10,900

ALTERATION

(2597) N JACKSON 56-8½ E Broderick. Erect boiler room in basement and install oil heating system.
Owner—Sigmund Marg, 1655 Fillmore, San Francisco.
Architect—None.
Contractor—J. Sockolov, 2558 Clay St., San Francisco.
COST, \$3500

DWELLING

(2598) E THIRTY-THIRD 359-375 S Taraval. Two one-story and basement frame dwellings.
Owner—Parkside Realty Co., Crocker Bldg., San Francisco.
Architect—Chas. Strothoff, 2276 15th, San Francisco.
Contractor—H. C. Keenan, 300 Webster, San Francisco.
COST, \$4900 each

REPAIRS

(2599) NO. 1046 PACIFIC. Repair fire damage.
Owner—Marian Corentino, Premises.
Architect—None.
Contractor—V. Filippis, 1526 Powell, San Francisco.
COST, \$750

DWELLING

(2600) W FORTY-SECOND 75 S Balboa. One-story and basement frame dwelling.
Owner—Thos Hamill, 4101 Balboa St., San Francisco.
Architect—None.
Day's work COST, \$3000

FURNITURES, ETC.

(2601) NO. 1314 POST. Fixtures, fittings and interior finish for display room.
Owner—Laidlaw Company of California.
Architect—Sylvain Schnaitacher, 232 Post, San Francisco.
Contractor—Th. Mallen Manufacturing Co., 84 Raush, San Francisco.
Filed Nov. 26, '19. Dated Nov. 18, '19.
Work delivered at building \$1000
Completed and accepted 535
Usual 35 days 540
TOTAL COST, \$2075

Bond, \$1040. Sureties, Maryland Casualty Co. Forfeit, \$20. Usual 35 days. Plans and specifications filed.

(CORRECTION IN LOCATION)

(2602) N TARAVALL 166 E Cortes E 246 Plastering for buildings (dwellings)
Owner—S. Alired, 150 Onondago Ave., San Francisco.
Architect—None.
Contractor—Robert H. Smith, 433 Clement, San Francisco.
Filed Nov. 26, '19. Dated Nov. 25, '19.
Brown coated any amount 50¢
Completed any amount 238
Usual 35 days 25¢
COST, \$9000

Bond, Sureties, Forfeit none. No plans or specifications filed.

DWELLING

(2603) N ANZA 40 E 26th. One-story and basement frame dwelling, 26x47.

Owner—Greater City Lumber Co., 3123 Mission, San Francisco.
Architect and Contractor—A. H. Ohlsen, 2045 Pine, San Francisco.
COST, \$3000

REPAIRS

(2604) NO 2550 BUCHANAN. Repair fire damage to residence.
Owner—Elliot McAllister.
Architect—Welsh & Carey, Merchants' National Bank Bldg., S. F.
Contractor, M. V. Brady, Monadnock Bldg., San Francisco.
COST, \$900

ALTERATION

(2605) NOS. 251-53 Corbett Ave. Alter three stores for living rooms.
Owner—The Kern Co., 235 Montgomery, San Francisco.
Architect—None.
Contractor—Charles J. Kern, 3883 18th, San Francisco.
COST, \$2000

AUTO SALES ROOMS

(2606) S DOLORES and Market. One-story and basement class C auto sales rooms, 147x316-5½.
Owner—Thompson Estate, Grant Ave. and Market, San Francisco.
Architect—Arthur S. Bugbee, 816 Sharon Bldg., San Francisco.
COST, \$48,000

STORE

(2607) SE GOLDEN GATE and Larkin One-story and basement class C store, 32½x121½.
Owner—Skelly Estate Co., 68 Post St., San Francisco.
Architect—Matthew O'Brien, 68 Post, San Francisco.
COST, \$40,000

ALTERATION

(2608) NO. 180 SIXTH Ave. Change store front and alter for flat.
Owner—Mrs. Jefferson Thompson, care architect.
Architect—Mis E. E. Williams, 1037 Broadway, San Francisco.
Contractor—J. S. Malloch, 180 Jessie, San Francisco.
COST, \$1000

(2609) NE BUSH and FRANKLIN. No. 1598 Bush. Alterations and additions to building.
Owner—B. Hermann's Sons, 1598 Bush, San Francisco.
Architect—August G. Headman, Call Bldg., San Francisco.
Contractor—C. T. Merchant, 180 Jessie, San Francisco.
Filed Nov. 19. Dated Nov. 20, '19.
Completed and accepted \$1137
Usual 35 days 579
TOTAL COST, \$1716

Bond, Sureties, none. Forfeit, \$10. Limit, 15 days. Plans and specifications filed.

(2610) E HOWARD and 5th NE 150x SE 155. Concrete work, etc., except reinforced steel bars, for three-story and basement and one-story class B building.
Owner—Pacific Gas & Electric Co., 445 Sutter St., San Francisco.
Architect—W. R. Howies, Hearst Bldg., San Francisco.
Contractor—Clinton Construction Co., 40 Townsend, San Francisco.
Filed Nov. 24, '19. Dated Nov. 21, '19.
Every two weeks 75¢
Usual 35 days 25%
TOTAL COST, \$89,370

Bond, \$15,000. Sureties, New Amsterdam Casualty Co. Forfeit, none. Limit, 100 days. Plans and specifications filed.

First report No. 2253; Nov. 24, 1919.

(2611) W PAXON AVE. E. from N Union lot f. S 5 N 75 deg 35' 28" W 100.829 N 0 deg 24' W 61.882 S 76 deg 37' 59" E 11 plus 057. Ptn lots 9 and 10 Blk. 2106, Westwood Park. One-story bungalow.
Owner—P. A. Brinkman, 138 Hyde, San Francisco.
Architect—None.
Contractor—H. J. Hansen, 1327 20th Ave., San Francisco.
Filed Nov. 28, '19. Dated Nov. 20, '19.
Frame and enclosed \$1937.50
First coat plaster on 1937.50
Completed and accepted 1937.50
Usual 35 days 1937.50
TOTAL COST, \$7750

Bond, \$3800. Sureties, E. V. Lacey and A. Censani. Forfeit, none. Limit, 90 days. Plans and specifications filed.

EXCAVATION, ETC.

(2612) W VALENCIA 107 N 24th St. Excavating grading and filling, concrete, cement work, reinforcing steel, Brick work, terra cotta tile, partitions and lathing and plastering, including exterior cementing and Micolithic finish for a one-story class C shop building.

Owner—E. R. Prince, 1234 Eddy, San Francisco.
Architect—Martin A. Sheldon, 110 Sutter, San Francisco.
Contractor—Hoskins Bros, 110 Jessie, San Francisco.
Filed Nov. 28, '19. Dated Nov. 28, '19.
Concrete walls poured to top of fire walls \$4000
Completed and accepted 2000
Usual 35 days 2000
TOTAL COST, \$6000

Bond, \$4,000. Sureties, E. V. Lacey, and James H. Pinkerton. Forfeit, none. Limit, 35 days from Dec. 1st. Plans and specifications filed.

REPAIRS

(2613) NOS. 2750-52 MISSION. Repair fire damage.
Owner—S. F. Home Bldg., Co., 2565 Mission, San Francisco.
Architect—None.
Day's work COST, \$2000

FOUNDATION

(2614) SW OCEAN AND SAN JOSE Aves. Concrete foundation, etc., for two-story frame building.
Owner—United Railroads of San Francisco, 55 Sutter, S. F.
Architect—None.
Day's work COST, \$700

FRAME DWELLINGS

(2615) S JOOST AVE 100 W Genesee W 30xS 100, Lot 33 Ptn 38 Blk 5, Sunnyside; S Joost Ave 130 W Genesee W 30xS 100, Ptn Lots 35 and 38 Blk 5, Sunnyside; S Joost Ave 160 W Genesee W 30xS 100, Ptn Lots 34 and 35 Blk 5, Sunnyside; S Joost Ave 190 W Genesee W 30xS 100, Ptn Lots 31 and 34 Blk 5, Sunnyside; S Joost Ave 220 W Genesee W 30xS 100, Ptn Lots 30 and 31 Blk 5, Sunnyside; S Joost Ave 90 E Hamburg E 30xS 100, Lot 1 to 4 and 10 Blk 5, Sunnyside; S Joost Ave 120 E Hamburg E 30xS 100, Lot 11 Ptn 10 Blk 5, Sunnyside; S Joost Ave 150 E Hamburg E 30xS 100, Lot 14 Ptn 15 and 19 Blk 5, Sunnyside; S Joost Ave 180 E Hamburg E 30xS 100, Ptn Lots 15 and 18 Blk 5, Sunnyside; S Joost Ave 210 E Hamburg E 30xS 100, Ptn Lots 18 and 19 Blk 5, Sunnyside; S Joost Ave 240 E Hamburg E 30xS 100, Ptn Lots 19 and 22 Blk 5, Sunnyside; S Joost Ave 270 E Hamburg E 30xS 100, Ptn Lot 22 all Lot 23 Blk 5, Sunnyside. All work for 12 one-story and basement frame dwellings.

Owner—Moneta Investment Co., 624 Phelan Bldg., San Francisco.
Architect—None.
Contractor—N. A. Anderson, 1927 Napa Ave., Berkeley.
Filed Nov. 29, '19. Dated Nov. 11, '19.
Frames up each building \$808
Enclosed and 1st coat plaster on each building 808
Completed and accepted each building 808
Usual 35 days 808
TOTAL COST, \$33,784

Bond, \$15,500. Sureties, H. J. Quinn and Saml. Mann. Forfeit, \$10. Limit, 1920. Forfeit, none. Plans and specifications filed.

NOTE—Permit reported Nov. 24, No. 2600.

FRAME DWELLINGS

(2616) E THIRTY-THIRD AVE 200 N Ulloa N 50x E 120. All work for two one-story frame dwellings.
Owner—Parkside Realty Co., Crocker Bldg., San Francisco.
Architect—None.
Contractor—H. C. Keenan, 300 Webster, San Francisco.
Filed Nov. 29, '19. Dated Nov. 24, '19.
Frame work completed \$2612.25
Enclosed and brown coated 2381.25
Completed and accepted 2361.25
Usual 35 days 2631.25
TOTAL COST, \$7896.00

Bond, none. Limit, 90 days. Forfeit, \$10. Plans and specifications filed.

NOTE—Permit reported Nov. 28, No. 2598.

COMPLETION NOTICES

BUILDING CONTRACTS

San Francisco County

Nov. 22, 1919—N HOWARD bet. 1st and 2nd No. 530. Frank Quimby to Adam Arras.Nov. 21, 1919
Nov. 22, 1919—TIN LOTS 6 AND 7. H. K. Brainerd to John Morton.Nov. 20, 1919
Nov. 22, 1919—SIXTY-SIXTH AVE. 100 S. California St. 27x120. Andrew Jackson to George F. Barnett.Nov. 22, 1919
Nov. 22, 1919—N SUTTER 27-75 E. Taylor 21-13x81-8. Gustave and Edw. C. Dietrich to H. L. Petersen.Nov. 22, 1919
Nov. 26, 1919—SE MISSION 110 S. 4th SW 40xSE 80. Mary M. Ryan to Wegner & Bloch.Nov. 20, 1919
Nov. 26, 1919—SW VELSH and 4th. Clara K. and Adolphine Suto to whom it may concern. Nov. 22, 1919
Nov. 26, 1919—N ELLIS 50 E Jones 50x80. Nettie Aronson to W. C. Duncan & Co.Nov. 18, 1919
Nov. 26, 1919—N PALOU AVE. 75 W. Keith. Peter and Charlotte Plummet to Antone Petersen. Nov. 26, 1919
Nov. 26, 1919—E EIGHTEENTH AVE. 50 N. Fulton N 50x32-6. Marie Fouks.Nov. 20, 1919
Nov. 26, 1919—LOT 37. YON & Hoag's subdivision Ashbury Terrace. W. S. Oliver to D. Houle.Nov. 12, 1919

LIENS FILED.

Nov. 12 1919—N GEARY 191-3 E Fillmore E 55xN 137-6. Wm. Henneke vs. L. Greenwald.\$339.55
Nov. 15, 1919—S HILL 25 W Sanchez W 25xS 76-6. Henry Feige vs. Lillie E Randolph.\$54.20
Nov. 15, 1919—N RAYMOND AVE 50 E Rutland E 50xN 100, Blk 51, Reis Tract. Edwin O. Pearson vs. Thos. McQuade.\$64.50
Nov. 21, 1919—N RAYMOND AVE 50 E Rutland E 50xN 100, block 51, Reis Tract. A. Delrieux vs. Thos. McQuade.\$80
Nov. 28, 1919—N FIFTEENTH 25 W Dolores W 25xN 89. James Jensen vs. Shanklin Land Co.\$947

LEASES.

San Francisco County.

Nov. 24, 1919—S CALIFORNIA 68-9 W Steiner W 34-4x4xS 137-6. Elvira Hewitt to Geo. D. and Pearl McNamee. 5 years. \$1200.
Nov. 24, 1919—E PERRY-SIXTH AVE 228 S Geary S 42xS 120. Clara H. Wise to J. I. Mitrovich. 5 years. \$23 per month.
Nov. 24, 1919—W VALENCIA bet. 23rd and 24th. E. R. Price to Jos. Lenx and Albert J. Buchner. 5 years. \$160 per month.
Nov. 24, 1919—NO. 2213 TO 2217 BUSH near Fillmore. Mrs. Emma Sehn to Mrs. E. V. Murphy. 2 years. \$1200.
Nov. 24, 1919—N McALLISTER 62-6 E Leavenworth N 117-6 N 62-6 N 20 E 137-6 S 137-6 W 75. Samuel D. Grossman et al. to Samuel D. Grossman. 1 year. \$800 per month.
Nov. 26, 1919—S CLEMENT 16 W 11th Ave. Jacob Vaisheim and Bertha G. (his wife) to Thos. E. and John P. Kerwin. 5 years. \$7,200.
Nov. 26, 1919—S SUTTER 277-6 W Powell W 60—S 137-6 W. W. Dunn to E. Curtis. 10 years. \$120,000.
Nov. 26, 1919—SW BATTERY and Green. Battery and Green Realty Co. to Frank T. Bowers. 10 years. \$781.25.
Nov. 26, 1919—SW BATTERY & Green. Battery Realty Co. (a corp.) to Baker Bowers Warehouse Co. 10 years. \$22,500.
Nov. 26, 1919—NO. 1418 GRANT AVE. Thos. J. Crawford to Grampolini Co. 5 years. \$2100.
Nov. 26, 1919—NO. 180 ELLIS. The Ellis Street Bldg. Co. to Frank Holmes and Robt. Copley. 5 years. \$6,000.
Nov. 26, 1919—W STOCKTON bet. Post and Sutter. No. 335 Stockton. Geo. E. and Michael S. Alexander to G. Delaques and Paul L. Vergne. 5 years. \$39,000.
Nov. 28, 1919—NO. 304 EUCLID AVE. Daniel McColgan to Jno. E. Goldan. 1 year. \$630.

Alameda County

No.	Owner	Contractor	Amt.
3565	Pfaff	Pfaff	1500
3566	Nichols	Owner	2000
3567	Swanson	Stan	5500
3568	Edge	Stewart	2000
3569	Safe Rlty	Short	2800
3570	Wach	Rose	500
3571	1st M E Chr	Schmidt	740
3572	Moran	Corbett	425
3573	Lagorio	Bradhoff	1000
3574	Winphred	Pieperstock	1500
3575	Pfarr	Pfarr	2000
3576	Werner	Owner	2000
3577	Hunt	Hunt	500
3578	Sibbet	Bertelsen	2000
3579	Bkly Disp.	Cederborg	855
3580	Henlein	Livingston	638
3581	Abey	Vaughn	1990
3582	Kronenberg	Walker	5000
3583	Hanner	Corbett	2000
3584	Ruegg	Ruegg	9000
3585	Excelsior	Excelsior	400
3586	Edge Tobacco	Stech	495
3587	Drake	Olsen	825
3588	Gibson	Sheridan	400
3589	Druke	Westlund	7777
3590	Palmer	Wieben	3500
3591	Johnson	Johnson	400
3592	Tibbitts	McCullough	500
3593	Same	Same	1000
3594	Same	Same	3000
3595	Bkly Dev	Mason	3000
3596	Perkins	Muller	14500
3597	Herland	Herland	5000
3598	Best	Petersen	2500
3599	Le Ballister	Bigeley	2800
4000	McCarthy	McCarthy	3000
4001	Harnett	Peters	1600
4002	Woodard	Woodard	4000
4003	Vinson	Morris	12000
4004	Palmer	Bernardy	1450
4005	Bkly Ed Ed	Conner	47250
4006	Same	Goodmundson	6811
4007	Same	Caition	5299
4008	Same	White	1600
4009	Same	Capitol Elec	3475
4010	Same	Glimme	9915
4011	Farnell	Cai Bldrs	2550
4012	Gallagher	Grant	1900
4013	Rose	Rodriges	3000
4014	East Bay	Rich	1000
4015	Bkly Ed Ed	Statt	800
4016	Same	Walter	2302
4017	Dowell	Petersen	14712

DWELLING
(3565) SE JAYNE AND CALIFORNIA
Berkeley One-story 5-room dwlg.
Owner—Fred Pfaff, 1625 Grant, Berkeley.
Architect—None.
Day's work. COST, \$1500

DWELLING
(3566) N PARKER 160 E Mathew, Berkeley. One-story 5-room dwelling.
Owner—C. S. Nichols, 6008 Foothill Blvd., Oakland.
Architect—None.
Day's work. COST, \$2000

DWELLING
(3567) E SHATTUCK 125 N Marin, Berkeley. Two-story 7-room dwlg.
Owner—H. C. Swanson, 2011 Parker, Berkeley.
Architect—None.
Contractor—C. M. Stan, 2019 Delaware Berkeley.
COST, \$5500

DWELLING
(3568) W BOSTON AVE 120 N Pleasant, Oakland. One and one-half-story 6-room dwelling.
Owner—Fred Edge, 5607 Grove, Oakland.
Architect—None.
Contractor—P. Stewart, 2500 Highland Ave., Oakland.
COST, \$2900

DWELLING
(3569) S MONTANA 250 E Peralta Ave., Oakland. One-story 5-room dwelling.
Owner—Safe Realty Co., Bacon Bldg., Oakland.
Architect—None.
Contractor—C. W. Short, 245 Acton Place, Oakland.
COST, \$2800

ALTERATIONS
(3570) NO. 477 SEVENTH, Oakland. Alterations.
Owner—Bank Realty Co., Union Savings Bank Bldg., Oakland.
Architect—None.

Contractor—A. H. Rose & Co., 525 17th Oakland.
COST, \$500

ALTERATIONS

(3571) SE TWENTY-FOURTH AND Broadway, Oakland. Alterations.
Owner—First M. E. Church, Prem.
Architect—None.
Contractor—P. N. Schmidt, 565 16th, Oakland.
COST, \$740

ALTERATIONS

(3572) NO. 1031 BROADWAY, Oakland. Alterations.
Owner—J. T. Moran, Premises.
Architect—None.
Contractor—Corbett & Bayliss, 1119 Franklin, Oakland.
COST, \$475

WAREHOUSE

(3573) E CLAREMONT AVE 300 N Cavour, Oakland. Two-story warehouse.
Owner—A. Lagorio, 5854 Claremont Ave., Oakland.
Architect—None.
Contractor—C. O. Bradhoff, 911 55th, Oakland.
COST, \$1000

ADDITION

(3574) NO. 3100 FERALTA AVE., Oakland. Addition.
Owner—G. A. Winphred, 186 Church St., San Francisco.
Architect—None.
Contractor—E. Pieperstock, 583 8th St., Oakland.
COST, \$1500

DWELLING

(3575) S CEDAR 98 E Tenth, Berkeley. One-story 5-room dwelling.
Owner—C. J. Pfarr, 480 Forest, Okd.
Architect—None.
Day's work. COST, \$2000

DWELLING

(3576) E WALLACE 70 S Ward, Berkeley. One-story 5-room dwelling.
Owner—Chas. A. Werner, 2416 10th St., Berkeley.
Architect—None.
Day's work. COST, \$2000

REPAIRS

(3577) NO. 1413 ARCH, Berkeley. Repairs.
Owner—P. M. Hunt, 1415 Arch, Berkeley.
Architect—None.
Day's work. COST, \$500

REPAIRS

(3578) NO. 73 PARKSIDE DRIVE, Berkeley. Repairs and alterations.
Owner—G. E. Sibbet, 3034 Hillgass Ave., Berkeley.
Architect—None.
Contractor—S. J. Bertelsen, 565 16th, Oakland.
COST, \$2000

GARAGE

(3579) SE SIXTH AND UNIVERSITY Ave., Berkeley. Garage.
Owner—Berkeley Dispensary, Berkeley.
Architect—None.
Contractor—A. Cederborg, 1445 E-37th, Oakland.
COST, \$655

ADDITION

(3580) NO. 2727 WOOLSEY, Berkeley. Addition.
Owner—P. Henlein, Premises.
Architect—None.
Contractor—W. Livingston & Son, 2918 Ellis, Berkeley.
COST, \$638

DWELLING

(3581) E AYALA 190 N 56th, Oakland. One-story 4-room dwelling.
Owner—E. Abey.
Architect—None.
Contractor—M. C. Vaughn, 5833 Ayala Oakland.
COST, \$1990

DWELLING

(3582) NW PROSPECT AND CAPELL Ave., Oakland. One and one-half-story 7-room dwelling.
Owner—R. F. Kronenberg, 2365 E-15th, Oakland.
Architect—L. F. Hyde, 26th Ave., Oakland.
Contractor—S. C. Walker, 2226 E-27th, Oakland.
COST, \$5000

DWELLING

(3532) NW EIGHTY-NINTH AVE AND "A," Oakland. One-story 4-room dwelling.
Owner—W. J. Hanner, 1307 89th Ave., Oakland.
Architect—None.
Day's work. COST, \$1700

DWELLINGS

(3534) N E-TWENTY-SIXTH 368, 402 455 E 13th Ave., Oakland. Three one-story 5-room dwellings.
Owner—Ruegg Bros., 719 Pacific Bldg., San Francisco.
Architect—None.
Day's work. COST, \$3000 each

WAREHOUSE

(3535) S LYDIA 100 E West, Oakland. One-story warehouse.
Owner—Excelsior Laundry Co., 2116 West, Oakland.
Architect—None.
Day's work. COST, \$400

ALTERATIONS

(3536) NO. 1117 FRANKLIN, Oakland. Alterations.
Owner—Oakland Tobacco Co., 5030 Telegraph Ave., Oakland.
Architect—None.
Contractor—A. S. Ruch, 4820 Clark, Oakland.
COST, \$475

ADDITION

(3537) NO. 716 LAKESHORE AVE., Oakland. Addition.
Owner—Julia Drake, Premises.
Architect—None.
Contractor—Edward Olsen, Syndicate Bldg., Oakland.
COST, \$825

ALTERATIONS

(3538) NO. 136 THIRTEENTH, Oakland. Alterations.
Owner—W. E. Gibson, 13th and Madison, Oakland.
Architect—None.
Contractor—Phil Sheridan, 1510 Harmon, Berkeley.
COST, \$400

DWELLING

(2539) LOT 11 and PART LOT 12, Map Lake Shore Terrace Extension Tract, Oakland. All work for two-story and basement frame dwelling.
Owner—R. C. Druhe, Oakland.
Architect—Schirmer, Bugbee & Co., Thayer Bldg., Oakland.
Contractor—Fred J. Westlund, 2207 10th Ave., Oakland.
Filed Nov. 25, '19. Dated Nov. 25, '19.
Frame up 3/4
Brown coated 3/4
Completed and accepted 3/4
Usual 35 days 3/4
TOTAL COST, \$7775
Bond, Sureties. Forfeit, none. Limit, 90 days. Plans and specifications filed.

DWELLING

(3539) NO. 1720 PEARL, Alameda. One-story 5-room dwelling.
Owner—Lincoln Palmer, Premises.
Architect—None.
Contractor—Alex. C. Wielen, 1919 Fruitvale Ave., Alameda.
COST, \$3600

GARAGE

(3591) NO. 511 CENTRAL AVE., Alameda. Garage.
Owner—F. H. Johnson, Premises.
Architect—None.
Day's work. COST, \$400

VARNISH COOKING ROOM

(3592) SW ALLSTON WAY AND 3rd, Berkeley. One-story brick varnish cooking room.
Owner—R. H. Tibbitts.
Contractor—Henry McCullough, 1641 Allston Way, Berkeley.
COST, \$500

FACTORY

(3593) SW ALLSTON WAY AND 3rd, Berkeley. Two-story paint factory.
Owner—R. H. Tibbitts, Albany.
Architect—None.
Contractor—Henry McCullough, 1641 Allston Way, Berkeley.
COST, \$1000

PAINT FACTORY

(3594) SW ALLSTON WAY & THIRD, Berkeley. Two-story paint factory.

Owner—R. H. Tibbitts, Albany.

Architect—None.
Contractor—Henry McCullough, 1641 Allston Way, Berkeley.
COST, \$3000

DWELLING

(3595) S SONOMA AVE 185 W Josephine, Berkeley. One and one-half-story 8½-room dwelling.
Owner—Berkeley Development Co., Shattuck and Addison, Berkeley.
Architect—None.
Contractor—Mason McDuffie Co., Shattuck and Addison, Berkeley.
COST, \$3000

GARAGE

(3596) W COLLEGE AVE 143 N Chabot Road, Oakland. One-story brick garage.
Owner—Lee Perkins, 6458 Colby, Okd.
Architect—None.
Contractor—F. A. Muller, 805 Syndicate Bldg., Oakland.
COST, \$14,500

DWELLING

(3597) SW EVERETT & EDGEWOOD AVE., Oakland. One-story 6-room dwelling.
Owner—Theresa E. Hetland, Box 421 Bay Point, Cal.
Architect—None.
Contractor—Thos. W. Hetland, Ohio Apts., Oakland.
COST, \$5000

SHOP

(3598) N EDES AVE 250 W 105th Ave., Oakland. One-story pattern shop.
Owner—Best Steel Casting Co., 105th Ave., Oakland.
Architect—None.
Contractor—George Petersen, San Leandro.
COST, \$2500

DWELLING

(3599) NW FIFTY-SEVENTH AVE & Harmon, Oakland. One-story 6-room dwelling.
Owner—Thos. W. Le Ballister, 906 E 12th, Oakland.
Architect—None.
Contractor—W. S. Bigelow, 821 13th, Oakland.
COST, \$2800

DWELLING

(4000) NO. 3206 HIGH, Oakland. One-story 6-room dwelling.
Owner—Mabel McCarty, 1603 74th Ave., Oakland.
Architect—None.
Contractor—F. E. McCarty, 1603 74th Ave., Oakland.
COST, \$3000

APARTMENTS

(4001) NE LAKESHORE AND SANTA LAY, Oakland. Two-story 30-room apartments.
Owner—Barnett & Meyerstein, 431 11th St., Oakland.
Architect—None.
Contractor—Fred W. Peters, 194 Ridgeway Ave., Oakland.
COST, \$30,000

DWELLING

(4002) W MERRITT AVE 250 N Brooklyn, Oakland. Two-story six-room dwelling.
Owner—Mabel Woodward, 4025 Brighton, Oakland.
Architect—None.
Contractor—E. W. Woodard, 4025 Brighton, Oakland.
COST, \$4000

DWELLING

(4003) N RAND AVE 600 E Lake Park, Oakland. Two-story 18-room dwelling.
Owner—B. B. Vinson, 400 Syndicate Bldg., Oakland.
Architect—None.
Contractor—Solomon Morris, 1507 Harrison, Oakland.
COST, \$12,000

DWELLING

(4004) W NINETIETH AVE 200 S Dowling, Oakland. One-story two-room dwelling.
Owner—H. Brough, 2218 90th Ave., Oakland.
Architect—None.
Contractor—J. Bernhardt, 6257 Harmon, Oakland.
COST, \$450

CARPENTER WORK

(4005) COR. COLUSA AVE AND TACOMA, Berkeley. Carpenter work for Thousand Oaks School.
Owner—The Board of Education of the City of Berkeley and of Berkeley School District of Alameda County, State of California.
Architect—Wm. C. Hays, 1st National Bank Bldg., San Francisco.
Contractor—C. W. and W. H. Conner (Conner & Conner), 2105 Berkeley Way, Berkeley.
Filed Nov. 26, '19. Dated Nov. 12, '19.
10th of each month 75%
Usual 35 days 25%
TOTAL COST, \$41,250
Bonds, \$23,800 and \$23,800. Surety, National Surety Co. Limit 150 days. Forfeit, plans and specifications, none.

(4006) ROOFING & SHEET METAL work on above.
Contractor—A. K. Goodmundson, 565 18th St., Oakland.
Filed Nov. 26, '19. Dated Nov. 15, '19.
Payments same as above.....

TOTAL COST, \$6811
Bonds, \$3500 and \$3500. Surety, Globe Indemnity Co. Limit, 40 days. Forfeit, plans and specifications, none.

(4007) PLUMBING ON ABOVE.
Contractor—Thos. R. Catton, 3097 Telegraph Ave., Berkeley.
Filed Nov. 26, '19. Dated Nov. 12, '19.
Payments same as above.....

TOTAL COST, \$5299.99
Bonds, \$2750 and \$2750. Surety, Fidelity & Casualty Co. Limit, 50 days. Forfeit, plans and specifications, none.

(4008) MASONRY WORK ON ABOVE.
Contractor—Milton J. White, 5115 Mail Gloor (White & Gloor), Monadnock Bldg., San Francisco.
Filed Nov. 26, '19. Dated Nov. —, '19.
Payments same as above.....

TOTAL COST, \$1600
Bonds, \$900 and \$900. Surety, American Indemnity Co. Limit, 30 days. Forfeit, plans and specifications, none.

(4009) ELECTRICAL WORK ON

above.
Contractor—Capitol Electric Co., 2468 Shattuck Ave., Berkeley.
Filed Nov. 26, '19. Dated Nov. 12, '19.
Payments same as above.....
TOTAL COST, \$3475
Bonds, \$1900 and \$1900. Surety, Limit, forfeit, plans and specifications, none.

(4010) LATH AND PLASTER ON

above.
Contractor—T. Glimme, 4048 Brown, Oakland.
Filed Nov. 26, '19. Dated Nov. 14, '19.
Payments same as above.....
TOTAL COST, \$9915
Bonds, \$4975 and \$4975. Surety, National Surety Co. Limit, forfeit, plans and specifications, none.

DWELLING

(4011) W LEE 120 S Ashby Ave., Berkeley. One-story 5-room dwelling.
Owner—C. F. Parnell, 1534 Franklin, Oakland.
Architect—None.
Contractor—California Builders Co., 1534 Franklin, Oakland.
COST, \$2950

ADDITION

(4012) NO. 66 PANORAMIC WAY, Berkeley. Addition.
Owner—John D. Gallagher, 2241 Durant Ave., Berkeley.
Architect—None.
Contractor—Harvey Grant, — Addison, Berkeley.
COST, \$1000

DWELLING

(4013) W FIFTIETH AVE 200 N E 12th, Oakland. One-story 5-room dwelling.
Owner—Dan Rose, Oakland.
Architect—None.
Contractor—J. Rodrigues, 1409 47th Ave., Oakland.
COST, \$3000

ALTERATIONS

(4014) NO. 593 THIRTY-FIRST, Oakland. Alterations.
Owner—East Bay Sanatorium, 31st St. and Telegraph Ave., Oakland.
Architect—None.
Contractor—James L. Rich, 947 42nd, Oakland.
COST, \$1000

HEATING
(4015) COR. COLUSA AVE & TACOMA
Berkeley. All work for heating for
Thousand Oaks School.
Owner—The Board of Education of the
City of Berkeley and of Berkeley
School District of Alameda County
of California.
Architect—Wm. C. Hays, 1st National
Bank Bldg., San Francisco.
Contractor—Scott Co., 351 11th St.,
Oakland.
Filed Nov. 29, '19. Dated Nov. 21, '19.
On 10th of each month..... 75%
Usual 35 days.....
TOTAL COST, \$3095
Bonds, \$4500 and \$4500. Surety, New
Amsterdam Casualty Co. Limit, as
soon as possible. Forfeit, none. Plans
and specifications, none.

(4916) SHADES AND LINOLEUM ON
above.
Contractor—D. N. & E. Walter Co.,
Stockton and O'Farrell, S. F.
Filed Nov. 29, '19. Dated Nov. 15, '19.
Payments same as above.
TOTAL COST, \$2303
Bonds, \$1500 and \$1500. Surety, Na-
tional Surety Co. Limit, 15 days. Forfeit,
plans and specifications, none.

DWELLING
(4917) LOT 1 BLK 14, Map Lakeshore
Highlands, Oakland. All work except
painting, heating, shades, electric
fixtures and garbage container, range
and hood for two-story and basement
dwelling and garage.
Owner—W. J. Dowell, 559 Valle Vista
Ave., Oakland.
Architect—Albert Farr, 68 Post St.,
San Francisco.
Contractor—Alfred Petersen, 3918 Lin-
wood Ave., Oakland.
Filed Nov. 29, '19. Dated Nov. 19, '19.
Approval of bills.....
TOTAL COST not over, \$14,712; contractor
to get \$550.
Bond, none. Limit, 120 days. Forfeit,
\$10. Plans and specifications filed.

COMPLETION NOTICES

Alameda County

Nov. 14, 1919—SE FORTY-SEVENTH
Ave. S.W. Melrose SW 40XSE 70,
110, Okd. Sophia Kappeler to J. T.
Walden.....Nov. 6, 1919
Nov. 14, 1919—CAPUS PILLMS "BL-
L" Mills College, Inc. to H. I.
Kyle.....Nov. 11, 1919
Nov. 14, 1919—NE EVERETT AVE
388 SE 12th Ave SE 42 20 S W 105 40
NW 34 95 SW 105 40, Okd. Robert
Land to whom it may concern.....
Nov. 12, 1919
Nov. 17, 1919—LOT 15 BLK 124
Lake Shore Park Heights, Okd.
Katharina Swanson to California
Builders Co.....Oct. 20, 1919
Nov. 17, 1919—LOT 32 BLK 1 and W
1/4 Lot 33 BLK 1 Map Lakeshore
Highlands, Okd. Lakeshore High-
lands Co. to A. Cedberg, Nov. 15, 1919
Nov. 18, 1919—W WASHINGTON on
13th St., Oakland. Roos Bros. to
Jackson-Koski Co.....Nov. 12, 1919
Nov. 18, 1919—SE BAY AVE 150 NE
Excelsior Ave NE 50XSE 100, Okd.
Joseph M Carlson to Alfred Peter-
son.....Nov. 19, 1919
Nov. 19, 1919—LOT 32, BLK E, Map
Elmwood Park, Berkeley. Lura P.
Griffith to Jacob House, Nov. 19, 1919
Nov. 20, 1919—LOT 1 BLK 100 S
Lakewood Park, Piedmont. Wil-
liam J Baker to whom it may con-
cern.....Nov. 19, 1919
Nov. 19, 1919—PT 20th St. SW Cor
Sixth and Clay W 75X59, Okd. F.
W Maurice vs H Newman and
Korn (Newman & Korn).....\$2500
Nov. 15, 1919—E VERNON 100 S
Santa Rosa Ave E 132X55, Okd.
Zenith Mill & Lumber Co, \$182.28;
O S Philbrick, \$28 vs Alvah F Page
and S A Greene.....
Nov. 24, 1919—LOT 10, PERRIEN
Tract, being 571 38th St, Oakland.
G. W. Keeler to M. C. Vaughn....
.....Nov. 24, 1919
Nov. 25, 1919—SIXTEENTH ST.
Station, Okd. Southern Pacific
Railway to A C Wacker, Nov. 17, 1919
Nov. 25, 1919—(1) LOT 12 and NE
1/4 Lot 11; (2) Lot 16 and SW 1/4
Lot 17; (3) Lot 18 and NE 1/4 Lot 17,
BLK 2 Map Havenscourt, Okd.
Havenscourt Co to C B Deuble.....
.....Nov. 22, 1919

Nov. 26, 1919—W EUCLID AVE, 250
S Palm, Oakland. Samuel Lichten-
stein to whom it may concern.....
.....Nov. 20, 1919
Nov. 25, 1919—BOUNDED BY FOOT-
hill Blvd, Hillside St., 72nd Ave.,
Garfield St. and 69th Ave., Oakland.
Chevrolet Motor Co. of California
to American Marble and Mosaic Co.
.....Nov. 21, 1919
Nov. 24, 1919—LOTS 39 AND 40,
BLK A, Map Melrose Station Tract,
Oakland. George W. Kaiser to
whom it may concern, Nov. 18, 1919
Nov. 21, 1919—N FORTIETH ST.
255.75 W Telegraph Av. W 64XE110
Oakland. R. B. Vinson to Solomon
Morris.....Nov. 19, 1919
Nov. 26, 1919—N 2040 SANTA
Clara Ave, Alameda. J F Moser to
Conrad Roth.....Nov. 22, 1919

BUILDING CONTRACT EXTENSION.

Alameda County.

Nov. 24, 1919—Southern Pacific Rail-
way Company with A. C. Wacker.
Extended 20 days from Nov. 10, 1919,
for painting and decorating interior
of Sixteenth St. Station.

LIENS FILED.

Alameda County

Nov. 10, 1919—SE MILLS AVE 40-8
from SW Forrest SW 40XSE 70,
C B Deuble vs E T Lesure
and Walter H Esemann.....\$96
Nov. 10, 1919—E FILBERT 95.31 S
7th S 100XE 125, Okd. James Ca-
hill & Co vs John Peron, Frank
Marino and H F Jenkins.....\$206.34
Nov. 6, 1919—W STANTON 49.82 S
Ashby W 700XS 40, Berkeley. J J
H Kruss vs H Nielson and Milton
Schroeder.....\$116.54
Nov. 26, 1919—N E TWENTY-
fourth 125 W 13th Ave. W 75XN 150
Oakland. J Knoke vs T. W.
Hicks and M. E. Hicks and Peter
Saloner, H. E. MacArthur.....\$70
Nov. 25, 1919—SW E-FOURTEENTH
97 W 58th Ave SW 1918 NW 121.49
NE to E-14th St. NE 127.46, Okd.
Sunset Lumber Co vs Leo J and
Joseph B Ruegg (Ruegg Bros) and
G H and Helen D Umben.....\$935.64
Nov. 28, 1919—S ARKANSAS 155 W
Curran Ave. S 100XW 40, Oakland.
R. A. Miller vs L. D. Way and Mar-
shal E. Hopper.....\$97.80
Nov. 28, 1919—S FAIR OAKS ST. 140
E Caroline Co. Lot 40X100, Alame-
da. Bay Wrecking Co. vs. C. A.
Gwynn and A. W. Copps.....\$29.50

BUILDING CONTRACTS.

Santa Clara County.

RESIDENCE
HAWTHORNE WAY, San Jose. Seven-
room residence.
Owner—C. J. Hinds, 74 N-First St., San
Jose.
Architect—None.
Contractor—V. F. Van Dalsam, 239
Hawthorne Way, San Jose.....
.....COST, \$9500
SHEDS
FOURTH AND KEYES STS., San Jose.
Curing sheds.
Owner—Peterson Kartchoke Brick Co.,
Premises.
Architect—None.
Day's work.....
.....COST, \$3000
ADDITION
NO. 698 N-SECOND ST., San Jose. Ad-
dition.
Owner—Francesco Silvestri, Premises.
Architect—None.
Contractor—D. Cartosani, San Jose.
.....COST, \$1500

COTTAGE
DELMAS AND SAN SALVADOR STS.,
San Jose. Six-room cottage.
Owner—E. Ariana.
Designer—C. Ricca, 271 S-Augustine
St., San Jose.
Contractor—C. Ricca, 271 S-Augustine
St., San Jose.
.....COST, \$5000

ALTERATIONS
COR. Santa Clara and Third Sts., San
Jose. Alterations.
Owner—I. O. O. F. Premises.
Architect—Wolfe & Higgins, Auzaeris
Bldg., San Jose.
Contractor—Z. O. Field, Builders' Ex-
change, San Jose.
.....COST, \$3000

ALTERATIONS
S FIRST near San Carlos St., San Jose.
Alterations.
Owner—Binder & Boschen.
Architect—Binder & Curtis, Binder
Block, San Jose.
Contractor—Z. O. Field, Builders' Ex-
change, San Jose.
.....COST, \$5000

COTTAGE
NO. 18 S-THIRTEENTH, San Jose.
Five-room cottage.
Owner—S. D. Williams, 341 S-15th St.,
San Jose.
Architect—None.
Day's work.....
.....COST, \$3750

COTTAGE
EIGHTH AND SAN SALVADOR STS.,
San Jose. Six-room cottage.
Owner—H. A. Bridges, 725 S-7th St.,
San Jose.
Architect—None.
Day's work.....
.....COST, \$4000

COTTAGE
NO. 431 S-THIRTEENTH ST., San Jose.
Six-room cottage.
Owner—Valerie Mason.
Designer—A. M. Whiteside.
Contractor—A. M. Whiteside, 71 S-19th
St., San Jose.
.....COST, \$5500

ADDITION
WILLIAM AND MINOR STS., San
Jose. Addition and repairs.
Owner—Aly. Thrift.
Architect—None.
Contractor—E. E. Weldon.
.....COST, \$1400

BUILDING CONTRACTS.

Fresno County.

GARAGE
PART BLK 390, Fresno. Garage.
Owner—J. B. Hill Co., 1648 "H" St.,
Fresno.
Architect—None.
Contractor—A. Allen, 259 Blackstone
St., Fresno.
.....COST, \$12,000
FRAME DWELLING
LOT 6 BLK 2, Alta Vista Tct., Fresno.
Frame dwelling.
Owner—Al. Watson, 633 "O" St., Fresno
Architect—None.
Contractor—H. Dickey, 150 Howard
St., Fresno.
.....COST, \$4500

FRAME DWELLING
LOTS 37 AND 38 BLK 11, College Ad-
dition, Fresno. Frame dwelling.
Owner—B. F. Stone.
Architect—None.
Contractor—A. Nicholson, 903 Palm St.,
Fresno.
.....COST, \$5000

FRAME DWELLING, ETC.
LOT 8 BLK 30, Alta Vista, Fresno.
Frame dwelling and garage.
Owner—G. E. Grimes.
Architect—None.
Contractor—L. E. Buckmaster, Fresno.
.....COST, \$3500

FRAME DWELLING & GARAGE
LOT 5 BLK 1, Mt. Olive, Fresno. Frame
dwelling and garage.
Owner—W. A. Nelson, 848 Roosevelt
St., Fresno.
Architect—None.
Day's work.....
.....COST, \$3950

FRAME DWELLING
LOTS 1 AND 2 BLK 1, Central Park,
Fresno. Frame dwelling.

Owner—E. B. Jensen, 928 Wilson St., Fresno.
Architect—None.
Day's work. COST, \$3,900

FRAME DWELLING, ETC.
LOT 7 BLK 14, Alta Vista Tct, Fresno.
Frame dwelling and garage.
Owner—E. Beecham, 2523 Mariposa St., Fresno.
Architect—None.
Day's work. COST, \$5,000

DWELLING
LOT 3 BLK 12, Hazelwood, Fresno.
Frame dwelling.
Owner—Reese & Atkins, 3643 Platt St., Fresno.
Architect—None.
Day's work. COST, \$3,000

FRAME DWELLING
LOTS 24 AND 25 BLK 2, Palm Villa Tract, Fresno. Frame dwelling and garage.
Owner—E. M. Kaufeld, 3444 Lowe St., Fresno.
Architect—None.
Day's work. COST, \$4,000

DWELLING
BUENA VISTA TCT., lot 1 and 2, blk. 1, Fresno. Frame dwelling.
Owner—B. F. Willick, 633 Echo, Fresno.
Architect—None.
Day's work. COST, \$2,800

DWELLING & GARAGE
LOTS 10 AND 11, BLK 20, Arlington Heights, Fresno. Frame dwelling and garage.
Owner—W. E. Warner, Fresno.
Architect—None.
Day's work. COST, \$3,000

DWELLING
LOT 32, EAST ELMHURST, Fresno.
Fresno. Frame dwelling.
Owner—A. M. Chitty, 320 Poplar St., Fresno.
Architect—None.
Day's work. COST, \$4,000

DWELLING AND GARAGE
LOT 10, BLK 1, Woodlawn, and lots 5 and 6, blk. 20, North Park Terrace, Fresno. Two frame dwellings and garages.
Owner—Chess & Peterson, Fresno.
Architect—None.
Day's work. COST \$6,000 each.

DWELLING
LOTS 14 AND 15, BLK. 3, Leona Heights, Fresno. Frame dwelling.
Owner—R. C. Kennedy, 1026 N St., Fresno.
Day's work. COST, \$2,500

DWELLING
LOTS 11 & 12, BLK. 20 Arlington Heights, Fresno. Frame dwelling.
Owner—N. E. Wilkinson, Fresno.
Architect—None.
Day's work. COST, \$2,000

DWELLINGS
LOT 6, BLK. 22, Hazelwood, Fresno.
Two frame dwellings.
Owner—E. R. Morris, 2031 Lewis, Fresno.
Architect—None.
Day's work. COST, \$3,450 each

DWELLING
LOT 3, BLK 1, Bartlett Heights, Fresno. Dwelling.
Owner—A. D. Powell, 3048 Belmont, Fresno.
Architect—None.
Contractor—Power & Nichols. COST, \$2,000

DWELLING & GARAGE
LOT 12 BLK 18, Hazelwood, Fresno.
Frame dwelling and garage.
Owner—K. Douglass, Fresno.
Architect—None.
Contractor—Reese & Atkins, 3643 Platt, Fresno. COST, \$4,000

DWELLING
LOT 10, BLK. 19, Hazelwood, Fresno. Frame dwelling.
Owner—Carl C. Larsen, Fresno.
Architect—None.
Contractor—R. Pedersen Co., 446 Clark St., Fresno. COST, \$5,000

DWELLING & GARAGE
NO. 1408 WHITE AVE., Fresno. Frame

dwelling and garage.
Owner—W. H. Kite, 1404 White, Fresno.
Architect—None.
Contractor—Dan Blosser, 3212 El Monte, Fresno. COST, \$13,000

ADDITION
NO. 1845 CHERRY AVE., Fresno. Addition.
Owner—Western Pipe & Steel Co., Fresno.
Architect—None.
Day's work. COST, \$2,000

REPAIRS
NO. 1918 MARIPOSA ST., Fresno. Repairs.
Owner—Mrs. L. Skelly, Fresno.
Architect—None.
Day's work. COST, \$3,000

ALTERATIONS
BLK. 16, HAZELWOOD ADD, Fresno. Alterations.
Owner—Frank Helm, Fresno.
Architect—None.
Contractor—E. J. Farr, 245 Forthcamp, Fresno. COST, \$2,000

COMPLETION NOTICES.

Fresno County.

Recorded Nov. 24, 1919 — Accepted
Fresno County, Tranquillity Union High School District to whom it may concern. Nov. 22, 1919
Nov. 20, 1919—LOTS 4 AND 5 BLK 11, Fresno Heights No. 2, Fresno. C. E. Brogdon to whom it may concern. Nov. 20, 1919
Nov. 21, 1919—LOTS 7 AND 8 BLK 5, College Addition, Fresno. J. A. Caples to whom it may concern. Nov. 18, 1919

BUILDING CONTRACTS.

Sacramento County.

ALTERATIONS
NO. 316 "L" ST., Sacramento. Alter restaurant.
Owner—Frank Husick, Clarksburg.
Architect—None.
Contractor—P. F. Reed, 2545 28th St., Sacramento. COST, \$2,500

GARAGE
NO. 1616 "K" ST., Sacramento. Fire-proof public garage.
Owner—R. Grimshaw, 1808 10th St., Sacramento.
Architect—None.
Day's work. COST, \$10,500

ALTERATIONS
NO. 827 "K" ST., Sacramento. Alterations to store.
Owner—Hale Bros., Premises.
Architect—None.
Contractor—Thibault & Bender, North Sacramento. COST, \$30,000

FRAME RESIDENCE
NO. 2013 "G" ST., Sacramento. Two-story frame residence.
Owner—E. Harr, 1617 7th St., Sacramento.
Architect—None.
Contractor—J. A. Saunders, 2810 "I" St., Sacramento. COST, \$10,550

REPAIRS
NO. 810 SECOND ST., Sacramento. Repairing factory.
Owner—Capital Candy Co., Premises.
Architect—None.
Contractor—Mathews Constr. Co., 1013 Forum Bldg., Sacramento. COST, \$35,000

STORE
NO. 604 "J" CT., Sacramento. Store building.
Owner—C. R. Nathan, Hotel Sacramento, Sacramento, Calif.
Architect—None.
Contractor—Siller Bros., 1614 13th St., Sacramento. COST, \$75,000

ALTERATION
"J" CT. 6TH AND 7TH, Sacramento. Alterations to store.
Owner—C. P. Nathan, Sotel Sacramento, Sacramento.

Architect—None.
Contractor—Siller Bros., 1614 13th St., Sacramento.
Filed Nov. 24, '19. Dated Nov. 15, '19. COST, \$11,965

RESIDENCE
NO. 2918 FORTIETH, Sacramento. One-story and basement frame five-room residence.
Owner—S. H. Phillips, 4104 4th Ave., Sacramento.
Architect—None.
Contractor—H. J. Goethe, 720 Capitol Bank Bldg., Sacramento. COST, \$1500

MILL
NO. 413 "X" ST., Sacramento. Mill.
Owner—W. O'Neill, 1511 16th St., Sacramento.
Architect—None.
Contractor—G. W. Kopp, 1514 15th St., Sacramento. COST, \$4,000

REMODEL
NO. 812 "K" ST., Sacramento. Remodel billiard room.
Owner—L. Caen, 1404 "P" St., Sacramento.
Architect—None.
Contractor—J. A. McCollough, 1015 23rd, Sacramento. COST, \$1,000

REPAIRS
NO. 3135 SIERRA WAY, Sacramento. Repair fire damage.
Owner—C. H. Hannum, Golden Eagle Hotel, Sacramento.
Architect—None.
Contractor—H. Chatterton, 3162 Sierra Way, Sacramento. COST, \$2,100

REMODEL
NO. 3133 FIRST AVE., Sacramento. Remodel building.
Owner—H. W. M. Ogg, 3309 First Ave., Sacramento.
Architect—None.
Contractor—P. F. Reed, 2545 28th, Sacramento. COST, \$1,000

ADDITION
NO. 2915 THIRTY-FIFTH, Sacramento. Addition to store.
Owner—H. De Loss, Modesto, Calif.
Architect—None.
Day's work. COST, \$1,000

COMPLETION NOTICES.

Sacramento County.

Recorded Nov. 21, 1919—SACRAMENTO (Steel foundry building S. P. R. Co. to H. W. Johns-Manville Co.) Nov. 1, 1919

LIENS FILED.

Sacramento County.

Recorded Amount
Nov. 26, 1919—NO. 620 "K" ST. on W 1/2 of E 1/2, lot 3, "K," "L," 6th and 7th, Sacramento. Chas. Van Hall vs. Kate Turton. \$2101.25

BUILDING CONTRACTS.

San Joaquin County.

ALTERATIONS
COR. UNION AND CHURCH STS., Stockton. Remodel building.
Owner—D. De Pasto, Stockton.
Architect—None.
Day's work. COST, \$1,000

SHOP
COR. FREMONT AND AURORA STS., Stockton. Shop.
Owner—H. W. Fischer, 446 N-Aurora St., Stockton.
Architect—None.
Day's work. COST, \$1,000

RESIDENCE
OAK ST., bet. Baker and Stockton Sts., Stockton. Residence.
Owner—Arthur Paulson, Stockton.
Architect—None.
Day's work. COST, \$4,500

GARAGE
AURORA ST., bet. Main and Market
Sts., Stockton. Garage.
Owner—Mike Dentoni, 519 California
St., Stockton.
Architect—None.
Day's work. COST, \$12,000

STORES AND FLATS
PARK AND OPHIR STS., Stockton.
Stores and flats.
Owner—T. M. Gianelli, 1315 E. Park,
Stockton.
Architect—None.
Day's work. COST, \$10,000

DWELLING AND GARAGE
LOMITA AVE., Stockton. Frame
dwelling and garage.
Owner—H. E. Allen, Stockton.
Architect—None.
Day's work. COST, \$3,300

ADDITION
JACKSON'S ADDITION, Stockton. Ad-
dition to residence and garage.
Owner—C. Olsen, Five Mile House,
Lower Sacramento Road, Stockton.
Architect—None.
Day's work. COST, \$2,100

ADDITION
FREMONT AND SUTTER STS., Stock-
ton. Addition.
Owner—W. R. Thresher, 343 E-Fre-
mont, Stockton.
Architect—None.
Day's work. COST, \$1,050

BUILDING CONTRACTS.

San Clara County.

DWELLINGS
WILLIAM ST., San Jose. All work for
three dwellings.
Owner—L. B. Dugdale, 130 Hawthorne
Way, San Jose.
Architect—Binder & Curtis, 257 S 1st,
San Jose.
Contractor—F. T. Jorgensen, 44. Naglee,
San Jose.
Filed Nov. 26, '19. Dated Nov. 22, '19.
Frame up 25%
Brown coated 25%
Completed 25%
Usual 35 days 25%
TOTAL COST, \$13,013
Bond, \$6,900. Sureties, Chas. W. Brown
and G. C. Schutte. Forfeit, none. Lim-
it, 90 days. Plans and specifications
filed.

DWELLING
GILROY, Calif. All work for 1½ story
dwelling.
Owner—C. W. Crusoe, Gilroy.
Architect—H. C. Kidder, 2077 Addison,
Berkeley.
Contractor—Wm. Radtke, San Jose.
Filed Nov. 18, '19. Dated Nov. 12, '19.
For labor and materials furnished
each Saturday night.
Remainder 35 days after completion.
TOTAL COST, \$4,700
Bond, \$2,350. Sureties, A. W. Cox and
Central Lumber Co. Forfeit, none.
Limit, 75 days from Nov. 13. Plans
and specifications filed.

COMPLETION NOTICES.

San Joaquin County.

Recorded Accepted
Nov. 28, 1919—S WEST-CHURCH ST.
opp. Stockton St. and bet. S. P.
spur track and Yosemite St., Stock-
ton. National Paper Products Co.
to MacDonald & Kahn.. Nov. 26, 1919

COMPLETION NOTICES.

San Clara County.

Recorded Accepted
Nov. 26, 1919—BERRYESSA ROAD,
near San Jose. V Nola to J A
Wagner Nov. 17, 1919
Nov. 26, 1919—NO. 86 SO. TWELFTH
St., San Jose. Mrs. M. J. Norton
to Al Compton Nov. 22, 1919

LIENS FILED.

San Clara County.

Nov. 28, 1919—ALEXANDER ST., Gil-
roy. Central Lumber Co. and G. A.
Chappell & Co., Gilroy vs. Rosa S.
Ferreirinha, \$171.19 and 40.50 respec-
tively.

BRIDGE BIDS OPENED.

LOS ANGELES, Cal.—The following
bids were received by the Board of Su-
pervisors of Los Angeles County Flood
Control District for the construction of
three steel and timber bridges over the
silt diversion channel at Long Beach,
plans for which were prepared by J. W.
Reagan, Chief Engineer Flood Control
District.

Seventh street bridge, 41-ft. spans:
Pennsylvania Bridge Co., Beaver Falls,
Penn., Item 5, structural steel, fabricat-
ing and placing, \$159.90 per ton, total
for 700 tons more or less, \$11,193; Item
No. 6, for 1144 ft. guard rail, at \$6.75
per ft. in place, \$7722; total, \$18,915.
C. W. Beverstok, 3210 South Alameda
St., Item No. 5, \$145.50 per ton, \$102,550
Item No. 6, \$6 per ft. \$6864; total, \$109,
414.

Seventh street bridge, 25-ft. spans—
Pennsylvania Bridge Co., Item No. 5,
230 tons structural steel in place com-
plete, \$159.90 per ton, \$36,784; C. W.
Beverstok, Item No. 5, \$160 per ton;
total, \$36,800.

Anaheim street bridge, 40-ft. spans—
Pennsylvania Bridge Co., Item No. 5,
190 tons, structural steel in place com-
plete, \$29,250; Item No. 6, 1144 lin. ft.
pipe guard rail at \$6 per ft, \$6864, total,
\$36,124; C. W. Beverstok, Item No. 5,
\$27, 170; Item No. 6, \$4290, total, \$31,460
Mercereau Bridge & Construction Co.,
40-ft. spans, Item No. 1, 1400 cu. yds.
Class C excavation, \$11,550; Item No.
2, 3000 cu. yds. Class D excavation, \$12,-
000; Item No. 3, driving 203 creosoted
piles, \$3,857; Item No. 4, for about 65,750
ft. of creosoted lumber, \$1972.50; Mer-
cereau Bridge & Construction Co., 25-ft.
spans; Item No. 1, 420 cu. yds. Class C
excavation, \$5766.60; Item No. 2, 3000
cu. yds. Class D excavation, \$12,000;
Item No. 3, for driving 104 creosoted
piles, \$1976; Item No. 4, 39,400 ft. lum-
ber, \$1063.80; Item No. 5, 111,700 ft. un-
treated lumber, \$1787.20; total, \$22,-
593.60.
Ocean Blvd. Bridge; C. W. Beverstok,

Item No. 5, for 596 tons structural steel
in place complete, \$143 per ton, \$85,228;
Item No. 6, 1716 lin. ft. sherardized iron
pipe railing, \$5.50 per ft., \$9438; total,
\$94,666; the Pennsylvania Bridge Co.,
Item No. 5, \$157.90 per ton, \$94,748;
Item No. 6, \$6.50 per ft., \$11,154; total,
\$105,898.

Ross Construction Co., Sacramento,
Item No. 2, 32,000 cu. yds. Class D ex-
cavation, 22c cu. yd., \$6,820; Item No. 3,
driving about 436 piles, \$20 each, \$8720;
Item No. 4, 142,000 ft. creosoted lumber,
\$40 per M, \$5680; total, \$21,220.

The Foundation Company of San
Francisco submitted a proposal for con-
struction of three bridges at cost plus
8%.

The bids were referred to J. W. Rea-
gan, Chief Engineer of the Flood Con-
trol District.

CONTRACTS AWARDED FOR SAN FRANCISCO STREET IMPROVEMENT.

Wolfe Street bet. Francisco and
Isabel, by the construction of an 8-
inch, vitrified, salt-glazed, ironstone
pipe sewer, brick catchbasins, concrete
curbs, artificial stone sidewalks and an
asphalt pavement. Awarded to Flinn &
Treacy, Cal Bldg., for \$1,514.10.

Improvement of 27th, 28th, 29th 30th,
31st, 32nd, 33rd and 34th Avenues bet.
Taraval and Ulloa Streets by grading,
construction of concrete curbs, an as-
phalitic, vertical fiber, vitrified brick
and asphaltic concrete pavements,
brick gutters, etc. Awarded to The
Fay Improvement Co., Phelan Bldg.,
for \$64,774.80.

HANFORD PLANS PAVING.

HANFORD, Kings Co., Cal.—In re-
sponse to a petition presented by prop-
erty owners the City Council has
ordered the improvement of Ninth
street from Irwin street to the west
city limits. The street will be im-
proved with a four inch base and a
1½-inch bitulithic wearing surface.

It was reported at the Council meet-
ing that petitions asking the improve-
ment of Phillips street between Sev-
enth and Ninth streets and Eighth
street west of Redington, were being
prepared for presentation to the Coun-
cil.

PLANS FOR BARRACKS UNDER WAY.

WASHINGTON, D. C.—Plans for the
erection of barracks at Kuanhua, H. T.,
to house 30 marines are being prepared
by the Bureau of Yards and Docks,
Navy Department, Washington, D. C.,
and a call for bids will be issued
within the next few weeks.

The work is provided for under spe-
cification 4086.

Telephone Douglas 5114

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JOS. MICHEL

W. A. PFEFFER

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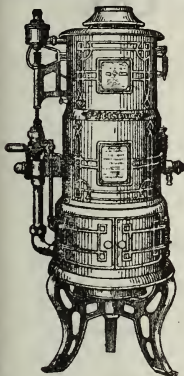
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San Francisco, Cal., December 10, 1919

Published Every Wednesday
Nineteenth Year, No 50



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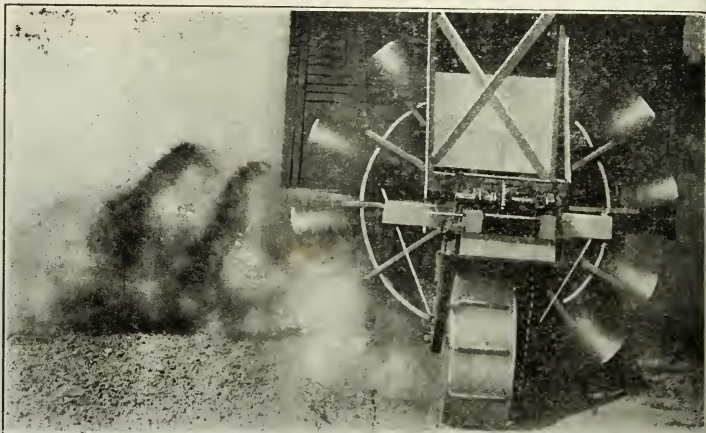
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Machine can be used by the Road Contractor in many different instances, as its ability to kick a lot of dirt out of the way in a short time will make it invaluable where cuts must be disposed of over the road side, whether this be up or down; it should also prove a great money saver on road drainage ditches.

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Machine uses Gas or Kerosene for fuel and requires about 2½ gallons per hour. Cost of Lubricating Oils is about half of the fuel cost. Two men can operate the Machine, one must be a gas engine man and the other a laborer, and Machine can be operated as well at night as in daylight.

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L. A. LARSEN,
Publisher and Proprietor.



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SAN FRANCISCO OFFICE
550 Mission Street.
Telephone—Douglas 2372.

J. P. FARRELL.....Exchange Editor

American Association of Engineers

NEWS FROM NATIONAL HEAD-QUARTERS.

The Chicago Chapter of the American Association of Engineers announces that plans are completed for its share in the national membership drive of the American Association of Engineers for ten thousand new members during the first two weeks in December.

The quota of the Chicago Chapter is 2,500 new members.

The loop district of Chicago has been divided into fifteen sections, each of which is in charge of a team of nine salesmen. Each engineering office and each engineer in each of these subdivisions of the loop have been listed and assigned to individual team members. Every professional engineer—civil, electrical, mechanical, mining, chemical, architectural, and every architect will be urged to join the chapter. Engineers in outlying districts will be personally solicited by members of the thirty-five other teams organized for the purpose.

Mr. Isham Randolph consulting engineer of Chicago, who built the Chicago Drainage Canal, is the referee of the drive. The following other eminent engineers of Chicago are on the executive committee to handle the drive for the chapter: W. H. Finley, president, C. & N. W. Ry., Chicago; Harold Almert, consulting engineer, Chicago; Edmund T. Perkins, consulting engineer, president, National Drainage Congress, Chicago; Bion J. Arnold, consulting engineer, Chicago; H. H. Bartlett, chief engineer Illinois State Public Utilities Commission; Garrison Babcock, consulting telephone engineer, Chicago; Robert Randolph, consulting engineer, Chicago, and John Ericson, consulting engineer, Board of Public Works, Chicago.

Following a favorable vote on the part of the Idaho Society of Engineers for affiliation with the American Association of Engineers, the executive committee of the society resolved on November 16 to amalgamate with the American Association of Engineers under the title of the "Idaho Society of Engineers, Chapter of the American Association of Engineers."

Attention of editors of technical publications is directed to Senate bill 2597, providing for a department of public health. The bill authorizes a secretary of public health; a first assistant secretary, who shall be a man trained in medical science and emi-

nent as an authority on public health and sanitation problems"; a second assistant secretary, who shall be "a man expert in the science of vital statistics and public health"; a third assistant secretary, who shall be "a woman trained in the science of medicine or nursing and of public health."

Without entering into the discussion of the necessity and desirability of a department of public health, it seems necessary that such a department should be provided with an engineer trained and experienced in sanitary engineering. The problems of sanitary work are less medical than engineering. This lack in the law should be pointed out to engineers. The American Association of Engineers in pursuance of its policy to give attention to legislation affecting engineers, is conferring with prominent sanitary engineers of the country in regard to the bill's lack of provision for sanitary engineering services.

Doctor F. H. Newell, president of the American Association of Engineers, addressed the Boston Chapter of A. A. E. on November 17. Doctor Newell addressed the students of Sheffield Scientific School and the engineers of New Haven at the North Sheffield Hall, New Haven, on November 21.

The membership of the American Association of Engineers on November 26 was 9,021.

HIGHWAY MAINTENANCE.

VII.

By G. M. N.

In the issue of October 8th of this paper we wrote:

"The soil in the rice section is of a character that requires a different treatment when building the subgrade and base of a highway from the one which it has gotten up to date. Fifteen years ago we required in our specifications for **four-inch concrete sidewalks** that wherever **dobe** soil was encountered the contractor should excavate said **dobe** from 2 to 6 inches and replace the same with sand or gravel so as to prevent the swelling of the **dobe** from pulling the concrete all to pieces. What should be done to the subgrade when it is of the kind of soil prevailing in the rice sections? It should receive **heroic** treatment. For the traffic closely resembles the traffic on Fifth avenue, New York."

That we are not alone in our opinion

that different soils should receive different treatment has been very much emphasized at a recent meeting of the "American Road Builders' Association," who reached a unanimous decision at the recent meeting against the adoption of an exclusive type of foundation for trunk line highways augurs well for the common sense treatment of our highway problems," comments George C. Diehl, County Engineer of Erie County, New York, and chairman both of the A. A. A. Good Roads Board and of the Good Roads Committee of the New York State Motor Federation.

"This action was that of men having practical knowledge of road building matters and took into account the fact that local conditions involving the availability of material, the character of the soil, the drainage facilities and other governing factors, might dictate in one case a wholly different type of foundation from that which would be found suitable in another case. In the discussion numerous examples were cited of roads constructed on telford, macadam, cement concrete and asphaltic concrete foundations, which had stood unharmed the severest tests of modern day traffic.

"The larger question which this discussion emphasized is that with our 2,500,000-odd miles of roads, our 3,000,000 square miles of area and our 105,000,000 population we must utilize every means of making our highway systems serve the most tonnage, the greatest number of people and the largest possible number of needs. We must build some highways wider and some thicker than others; whenever possible we must use local material and conserve every dollar's worth of improvements already made, and we must avoid jumping at conclusions based upon new and plausible theories as contrasted with fully ascertained facts.

"There is no wholesale method of determining types, materials of construction, cross-sections, etc., but every single section must be designed to meet its own particular needs."

The above quotation is recommended to the men responsible for the universal misuse of the four-inch concrete slab on our highways here in California, for there certainly has been enough money spent on makeshift road construction, and it is about time that a halt was called and some foresight and study applied to the road problems here, both county and state. We can all agree that road construction has just started in the United States

and that all short freight hauls will be made with motor trucks over county and state roads built with the proceeds from long-term bond issues.

The motor truck has proven its efficiency for this kind of work and will continue its successful development, and the roads must follow suit and must be built to suit traffic conditions and not some whim of some office-bred engineer, who never gave a serious thought to actual conditions under which the business life of the nation is being lived.

AN EDITOR WHO MADE MONEY.

A man tells of a village editor who started poor twenty years ago and has retired with the comfortable fortune of \$50,000. This money was acquired through industry, economy, conscientious efforts to give full value, indomitable perseverance and the death of an uncle who left the editor \$49,999.50.

ELKS TO HOLD MEMORIAL SERVICES.

San Francisco Lodge No. 3 of the Benevolent and Protective Order of Elks will hold its annual memorial services at the Columbia Theatre next Sunday at 10:30 A. M. These memorial service for the dead members of the order are an institution and are held by every lodge throughout the Jurisdiction on the first Sunday of December.

San Francisco Lodge No. 3 has prepared a most impressive program with the best musical talent that is available. Paul Steindorff will be the leader of the orchestra and the numbers will include an instrumental solo by Doctor Carlos de Mandil Trlo, a baritone solo by Jean Edwin Cowles, a duet "Come Ye Disconsolate" by Clare Harrington and James E. Driscoll, and a solo "Ava Maria" by Miss Irene Meusdorffer, accompanied by Guyla Ormay.

The services will be under the direction of Exalted Ruler Oliver D. Flahavan and the officers of the lodge. The memorial oration will be pronounced by Attorney Edwin J. Hanson.

The members of the lodge will meet at the Club Rooms, 540 Powell Street, and will march in a body to the theatre, lead by the drill team.

COST OF BUILDINGS IN 1918.

The United States Geological Survey, Department of the Interior, announces the publication of a report on building operations in the larger cities of the United States in 1918. This report shows the cost of such work in a large number of cities of the country for ten years and contains a diagram showing the great decrease caused by war conditions. It also shows the cost of buildings in these cities by character of buildings—that is, wooden, brick, stone, concrete, or steel skeleton buildings—and the cost of additions, alterations, and repairs, by classes of buildings. A copy of this report may be obtained by applying to the Director, United States Geological Survey, Washington, D. C.

NOVEMBER BUILDING ACTIVE.

Building operations during the month of November show the expenditure of \$1,191,910 in construction for new buildings and alterations to standing structures, according to figures compiled by Chief Inspector of Building John F. Horgan of the Board of Public Works. These figures are based on the number of building permits issued, which totaled 426.

A segregated list of the improvements follow:

Class	No. of Bldgs.	Cost
"B"	4	\$ 288,120
"C"	11	241,200
Frames	94	441,070
Alterations	315	241,520
Public Buildings	2	40,000
Total	426	\$1,191,910

For the same period during the year, 1918, the figures were 164 permits granted with a total of \$136,987.

THE UNITED STATES HAS MANY TENANTS.

Fewer than 6,000,000 American families own their own homes, 2,000,000 are carrying mortgages and 11,000,000 are renters. Every seven years, one-third of the population of the City of New York applies for charity. One person in every ten who dies in our large cities is buried in a pauper's grave, according to Government figures.

SAN FRANCISCO LOSES BIG EXPORT BUSINESS.

Nearly \$9,000,000 worth of export business was lost to the part of San Francisco during the month of October by reason of the strike of riggers and stevedores, according to figures compiled by the San Francisco Chamber of Commerce.

The total value of imports at this port during October was \$19,464,867, as against \$14,909,644 for October of 1918.

SAN JOAQUIN COUNTY SUPERVISORS ACTIVE FOR SETTLEMENT COLONY.

STOCKTON, San Joaquin Co., Cal.—At the last meeting of the County Supervisors a resolution was passed pledging their active support and cooperation in securing the third state land settlement colony for San Joaquin county. The Board extended an invitation to the members of the state land settlement board to visit the prospective sites in San Joaquin county. Eugene D. Graham is County Clerk.

SACRAMENTO, Cal.—Governor William D. Stephens today announced the appointment of the following delegates to the national rivers and harbors congress to be held in Washington, D. C., December 9, 10, and 11:

R. Stanley Dollar, A. M. Newhall, J. R. Hanfly, Alfred Greenebaum, James Tyson, John H. McCallum, H. H. Sanborn, all of San Francisco; Maynard McPle, J. B. Lippincott, C. M. Gordon, L. E. Dockweiler, Percy H. Clarke, H. Hawgood, T. E. Gibbon, all of Los Angeles; William Kettner and G. A. Davidson of San Diego; Joseph E.

Caine, Edison F. Adams, J. F. Carlston, H. C. Capwell, all of Oakland; D. S. Wassermann, Sacramento; William P. Dwyer of Sacramento, and J. M. Perry of Stockton.

BAFFLE WALL RECONSTRUCTION CONTRACT AWARDED.

SAN FRANCISCO.—The Board of Fire Commissioners has awarded a contract to J. H. Eisenbach for the reconstruction of baffle walls, etc., on the batteries of Pumping Station No. 1, he being low bidder as follows:

Prop. No. 1.....	\$199.48
Prop. No. 2.....	No bid
Item No. 1.....	\$11.50
Item No. 2.....	9.00
Items No. 3 and 4.....	72.50
Item No. 5.....	25.00

Frank T. Kennedy is Secretary of the Board of Fire Commissioners.

STOREHOUSE AND MACHINE SHOP CONTRACT AWARDED.

ELY, White Pine Co., Nevada.—The County Supervisors, F. D. Oldfield, County Clerk, have awarded a contract to O. M. Wallace Jr., Ely, Nevada, for the erection and completion of a county storehouse and machine shop to be erected at the County Courthouse grounds, he being low bidder at \$2,512.50. Other bids were:

G. M. Weller, Ely.....	2,539
Andrew Hexem, Ely.....	2,850

Plans were prepared by W. E. Meyers of Ely.

ALASKA ENGINEERING COMMISSION WANTS BIDS.

SEATTLE, Wash.—Bids will be received by the Alaskan Engineering Commission, Bell Street Dock, Seattle, up to December 15th, 11 A. M., for furnishing, free of all charges, delivered on Pier in Seattle, Wash., to be designated later, packing, pipe cutters and wheels, copper tubing, copper paint, flue cleaners, track jacks, key stock, repair parts for Jordan Spreader and Bucyrus steam shovel, locomotive driving wheel tires, brake shoes, nails, plow steel cable, taper pins, "Falls Hollow" staybolts, garbage cans, peavies, shovels, waste, files, belt lacing, ship augers, pipe and fittings, manila rope, oilers, grease cups, carpet tacks, slip scrapers, fresnos, and Pyle electric headlights and parts.

C. E. Dole is General Purchasing Agent.

HARBOR COMMISSIONERS TO PURCHASE LUMBER IN OPEN MARKET.

SAN FRANCISCO.—The State Board of Harbor Commissioners, Frank G. White, Chief Engineers, has decided to purchase all necessary lumber for use on the waterfront in the open market, the contract for same having expired.

SCHOOL BONDS.

FRESNO, Fresno Co., Cal.—Bids will be received by D. M. Barnwell, County Clerk, up to January 6th, 1920, 2 P. M., for the purchase of the \$15,000 bond issue of the Claremont School District. Proceeds of the sale will finance construction of an addition to the new school building, for which Ernest Kump, Rowell Bldg., Fresno, prepared plans.

ADVANCE NEWS

Official Proposals, Etc.

BUILDING.

APARTMENT HOUSES

Plans Prepared.
APARTMENTS Cost, \$—
VALLEJO, Solano Co., Georgia Street
bet. Colusa and Glenn Streets.
Three-story apartments (24 2 and 3-
room apts.)

Owner—Wright & Wheaton.
Architect—Not Given.

Each apartment is to contain a wall
bed, hardwood floors, cabinet kitchen,
buffet and built-in book cases.

Plans Being Figured.
APARTMENTS Cost, \$25,000
SAN FRANCISCO. Union near Taylor.
Three-story frame apartments (6 4-
room apartments).

Owner—Withheld.
Architect—Henry C. Smith, Humboldt
Bank Bldg., San Francisco.

Plans Being Prepared.
APARTMENTS
Cost, \$11,000 and \$25,000 respec-
tively.

OAKLAND, Alameda Co., Cal. Forty-
first Street near Grove.
Two-story frame apartments (8 3-room
apts) also on same Lot two-story
frame (4 flats).

Owner—Withheld.
Designers—Hutchinson & Mills. Al-
bany Bldg., Oakland.

Plans Being Prepared. Ready for Fig-
ures Next Week.

APARTMENTS Cost, \$24,000
OAKLAND, Alameda Co., Cal. Tele-
graph Avenue near 40th Street.
Two-story frame (8) apartments.

Owner—Withheld.
Designers—Hutchinson & Mills, Albany
Block, Oakland.

Plans Being Prepared.
ALTERATIONS Cost, \$15,000
OAKLAND, Alameda Co., Cal.
Alter two-story frame apartments.

Owner—Withheld.
Architect—Hamilton Murdock, 915
Syndicate Bldg., Oakland.

Plans to be Prepared.
ADDITION Cost, \$25,000
FRESNO, Fresno Co., Cal. No. 1205 "E"
Street.

One-story brick addition to present one
story apartment house, 50x150 (10
additional apartments).

Owner—Edward Hertweck, 1031 "Q"
St., Fresno.

Plans Being Prepared.
APARTMENTS Cost, \$15,000 to \$20,000
OAKLAND, Alameda Co., Cal. Adams
Point Property.

Two-story frame apartments (2 4-room
and 1 6-room apts.)

Owner—Withheld.
Architect—Wm. E. Milwain, Albany
Bldg., Oakland.

Plans will be ready for figures in
about a month.

Plans Being Prepared.
APARTMENTS Cost, \$90,000
SAN FRANCISCO. Near Civic Center.
Six-story Class "C" apartment house
(30 2-room apts.).

Owner—Withheld.
Architects—Welsh & Carey, Merchants
National Bk. Bldg., San Francisco.

BANKS

Contracts Awarded.
BANK Cost, \$34,272

LOS BANOS, Merced Co., Cal.
Fireproof bank building, 50x72.

Owner—First National Bank of Los
Banos.

Architect—Frank Mayo, Farmers' &
Merchants' Bank Bldg., Stockton.
General Contractors—Mayo, Schutes &
Zinck Co., Stockton.

The following sub-contracts have
been awarded by the general contrac-
tors.

Plumbing—Joseph Musto Sons-Keenan
Co., San Francisco.

Tile—Stockton Tile Co., 414 E-Market
St., Stockton, Cal.

Mil Work, Carpentry, Concrete and
Ornamental Iron Work—Schutes &
Zinck Co., Stockton.

Roofing—Johns-Manville Co., San
Francisco.

Plastering—Perry Bros., Stockton.

Plans Prepared.
BANK & STORE. Cost, \$—
LOS ANGELES. Hollywood Blvd and
McCadden Place.

One-story brick bank and store build-
ing, 74x100.

Owner—G. D. Robertson.
Lessee—Citizens Trust and Savings Bk.
Architect—H. J. Knauer, 1138 Story
Bldg., Los Angeles.

Plans Being Prepared.
BANK AND OFFICE. Cost, \$100,000
SAN PEDRO, Los Angeles Co., Cal.

Two-story and basement class "B"
bank and office building, 50x100.

Owner—First National Bank of San
Pedro.

Architect—Edelman & Barnett, 826 H.
W. Hellman Bldg., Los Angeles.

Marble Contract Awarded.
ALTERATIONS Cost, \$45,000
SAN FRANCISCO NE Market and
Sansome Streets.

Extensive interior alterations (bronze
marble and cabinet work).

Owner—Anglo California Trust Co.,
San Francisco.

Architect—H. H. Winner, Humboldt
Bank Bldg., San Francisco.

Marble work awarded to The American
Marble & Mosaic Co., 25 Columbia
Square. Contract price about, \$14,000.

Contracts for the bronze, cabinet
work, etc., will be let in a few days.

Plans Being Prepared.
ALTERATIONS Cost, \$25,000
MARYSVILLE, Yuba Co., Cal. No. 212
"D" Street.

Alter two-story bank building (new
granite, glass, bronze, etc.)

Owner—Decker-Jewett Bank, Premises
Architects—Welsh & Carey, Merchants
National Bk. Bldg., San Francisco.

BONDS

ARCADE SCHOOL DISTRICT, Sacra-
mento, Cal.—An election to vote on the
question of issuing and selling bonds
of \$20,000 with which to finance con-
struction of a 2-room and auditorium
school building is planned by the
Trustees of the Arcade School District.
Sketches for the proposed structures
have been prepared by Architect Fran-
cis W. Reid, Oschner Bldg., Sacramen-
to. Trustees of the District are: Mrs.
W. T. Phipps, George W. Filcher and
F. A. Trimble.

MARTINEZ, Contra Costa Co., Cal.—
Bids will be received by the County
Supervisors, J. H. Wells, County Clerk,
up to December 22nd, for the purchase
of the \$125,000 bond issue of the Al-
hambra Union High School District.
Proceeds of the sale of the bonds will
finance construction of a new high
school building, plans for which are
being completed by Architect A. A.
Cantin, 68 Post Street, San Francisco.

CHICO SCHOOL BOND SALE INVALID
OROVILLE, Butte Co., Cal.—Owing
to an error in calling bids for the pur-
chase of the \$440,000 issue for the
proposed Chico High School the County
Supervisors will call new bids. The
premium offered under the last sale
was \$6,898.

Plans for the proposed structure
have been completed by Architects
Woollett & Lamb, Physicians Bldg.,
Sacramento.

PITTSBURG, Contra Costa Co., Cal.—
Meetings are being held urging the
calling of an election to vote bonds of
\$315,000 with which to finance the im-
provement of streets, sewers and water
works, Town Hall and library build-
ings.

MARYSVILLE, Yuba Co., Cal.—The
proposition to vote bonds of \$138,000
for a new high school building and
\$156,000 for grammar school improve-
ments failed to carry at a recent elec-
tion.

Plans for the proposed improvements
were in the hands of Architect W. H.
Weeks, 75 Post St., San Francisco.

PIEDMONT, Alameda Co., Cal.—Be-
fore a bond election can be called to
secure funds with which to erect a
new high school building, it will be
necessary to have an election provid-
ing for the formation of a district to
be known as the Piedmont Union High
School District. It is planned to erect
a structure costing \$250,000.

SANTA BARBARA, Cal.—The \$440,-
000 bond issue for new grade schools
failed to carry at the special election
November 28.

VISITACION, San Mateo Co., Cal.—

American Association of Engineers

The Technical Engineers' Service Organization.

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E. H. Herbert.....Oliver Mfg. Co.

Chapter Meeting Night, First Thursday Every Month at 7:30 P. M.
Commercial Club, Merchants Exchange Bldg.

Committee Meeting Every Friday, 7:30 P. M. at Chapter Office.

A. G. Mott, Secretary San Francisco Chapter Office, 700 Marston Bldg. 244 Kearny St., S. F.

CHAPTERS & CLUBS:

SACRAMENTO CHAPTER

Lathrop, H. A.....Secretary
1321 Thirty-third St.,
Sacramento - - - California

LOS ANGELES CHAPTER

Harris, A. L.....Secretary
1104 Central Building
Los Angeles - - - California

PORTLAND CHAPTER

Barnes, R. W. ....Sec. & Treas.
36 Union Station
Portland - - - Oregon

FRESNO CHAPTER

Jean L. Vincenz.....Secretary
P. O. Box 922
Fresno - - - California

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Grumm, Fred.....Secretary
2898 Spruce Street
San Diego - - - California

SAN BERNARDINO CLUB

Woods, M. A.....Secretary
608 Tenth Street
San Bernardino - - - California

EUREKA CLUB

Howard, F. W.....Secretary
Eureka - - - California

The County Supervisors, Elizabeth M. Nash, County Clerk, have sold the \$23,000 bond issue of the Visitation School District at a premium of \$230.

Plans for the proposed one-story frame school, to be erected under the proceeds of the sale, have been prepared by Architect Ernest Norberg, 742 Market Street, San Francisco.

BAKERSFIELD. Kern Co., Cal.—The McFarland School District will vote December 29 on issuing \$26,000 bonds for a new building. The trustees are: F. R. Blickenstaff, P. L. Hileley and Mrs. S. A. Simpson.

STOCKTON. San Joaquin Co., Cal.—The County Supervisors have been asked to meet with the Stockton City School Board and discuss a proposed bond issue to secure funds with which to finance construction of new schools and additions to the present structures.

Ansel S. Williams is City Superintendent of Schools.

WHITTIER. Los Angeles Co., Cal.—Until 7:30 P. M., December 15, bids will be received by the City Trustees for the purchase of \$362,614 bonds voted to increase the present city water supply and extensions and improvements to the municipal water system. J. B. Lippincott, Central Bldg., Los Angeles, is the engineer.

ELK GROVE. Sacramento Co., Cal.—December 20th is the date set to decide the question of issuing and selling bonds of \$175,000 with which to finance construction of a new high school building. The structure is made necessary owing to increased attendance at the present school.

Geo. C. Sellon, 1005 8th St., Sacramento, is the architect.

SANTA CLARA. Santa Clara Co., Cal.—Steps are being taken for the consolidation of the Meridian, Milliken, Jefferson, Agnew, Midway and Santa Clara School Districts, in order to secure the erection of adequate buildings and equipment. Agnes E. Howe is County Superintendent of Schools.

PETALUMA STREET BONDS CARRY. PETALUMA, Sonoma Co., Cal.—The bond issue for \$50,000 to finance the improvement of Main and Third streets carried at a recent election.

SACRAMENTO. Cal.—No bids were received by City Treasures W. E. Holmes for the purchase of the \$180,000 filtration bond issue. It is probable that the bonds will be sold by private sale.

SEASIDE. Ore.—The City Council is planning an election to vote bonds for the following projects:

Building of Pier leading into the Pacific Ocean for a distance of 2000 ft. Estimated cost, \$55,000.

Concrete Bulkhead and Boulevard along ocean 7200 ft. Estimated cost, \$85,000.

Building of Street to be known as "Roosevelt Drive." Estimated cost, \$78,000.

Installation of a modern fire alarm system (cost not yet determined).

Should the bonds be voted plans for the work will be rushed to completion by City Engineer L. C. Rogers.

MODESTO. Stanislaus Co., Cal.—The State Bond Commission has approved the bond issue of some \$5,400,000 of the Modesto and Turlock Irrigation District, Don Pedro Irrigation project. Some \$800,000 of the issue is for the building of a power plant in conjunction with the irrigation enterprise to furnish power and light to the farmers in the two districts.

With the bonds approved the Don Pedro project will now go ahead with its preliminaries, one of which will be the calling of a special election forthwith to vote upon the issue. The Modesto and Turlock districts are building the project together. It will be to supplement the present capacities of the district so as to furnish water by impounding more of the flood waters all the year round. Three years will be required to complete the enterprise.

ANTIOCH. Contra Costa Co., Cal.—Bonds to finance the construction of a new sewer in "F" street were voted at an election held recently.

CHURCHES

Working Drawings Being Prepared. Ready for Figures in About Three Weeks.

CHURCH Cost, \$100,000
ALAMEDA. No. 1913 San Antonio Ave. Reinforced concrete church (Mission style).

Owner—St. Joseph's Catholic Church. (Rev. J. B. Braught, Pastor).
Architects—W. D. Shea and Henry A. Minton, 244 Kearny St., San Francisco.

Plans Being Prepared. Cost, \$30,000
CHURCH.
BURBANK. Los Angeles Co., Cal. Frame and plaster church.
Owner—First Methodist Episcopal Church.

Architect—Arthur G. Lindley, 904 Wright & Callender Bldg., L. A.

Plans to be Prepared. Funds Being Raised.

SYNAGOGUE Cost, \$—
FRESNO. Fresno Co., Cal. Jewish synagogue.

Owner—Temple Ben Israel (Rabbi Segal in charge).
Architect—Not Yet Selected.

Plans Being Prepared. Cost, \$25,000
CHURCH

LOMPOC. Santa Barbara Co., Cal. Brick church. 35x135 (500 seats).
Owner—Church of the Immaculate Conception.

Architect—A. C. Martin, Higgins Bldg., Los Angeles.

Plans Being Prepared. Cost, \$16,000
CHURCH

MADERA. Madera Co., Cal. Church building. 65x80.

Owner—First Methodist Episcopal Church. Rev. Bruce, Pastor.

Architect—Not Given.

Plans Being Prepared. Cost, \$—
CHURCH BLDG.

DUNSMITH. Siskiyou Co., Cal. Church Community Center building.

(will contain gymnasium, club room and swimming pool).
Owner—Methodist Church of Dunsmuir. Rev. U. L. Walker, Pastor.
Architect—Not Given.

FACTORIES & WAREHOUSES

Segregated Figures Being Taken.
BRICK BUILDING Cost, \$25,000
SAN FRANCISCO. China Town. Three-story brick building.
Owner—Withheld.
Architect—Wm. Wilde, Nevada Bank Bldg., San Francisco.

Plans Being Prepared. Cost, \$—
FACTORY

LOS ANGELES. Cal. First Street East of Alameda Street.

Reinforced concrete factory buildings (boiler house, machine shop and distillery buildings).

Owner—Los Angeles Soap Co.
Architects—Morgan, Walls & Morgan, 1120 Van Nuys Bldg., Los Angeles.

Plans Being Prepared. Cost, \$—
ELEVATOR

STOCKTON. San Joaquin Co., Cal. Reinforced concrete grain elevator.
Owner—Sperry Flour Co.

Architect—Maurice Couchot, 110 Sutter St., San Francisco.

Plans will not be ready for figures for about six weeks.

SEATTLE. Wash.—Harrington Peters Co., Seattle, submitted the low bid to the Port of Seattle Commission, Bell Street Docks, Seattle, for the construction of 500 feet of the north transit shed on Pier B at Smith's Cove, the bids being for Plan A, \$129,000, this for additional posts in second floor, roof girders and a different type of column cap and base; Plan B, \$124,200.

The structure will be a two-story heavy timbered building, 118 feet in width. Plans were prepared by Chief Port Engineer George Nicholson.

SAN JOSE. Santa Clara Co., Cal.—The erection of five new reinforced concrete and steel plants is planned by the California Prune and Apricot Growers' Association, Market and San Antonio streets, San Jose.

Packing plants will be erected at Visalia, Tulare County; Hanford, Kings County; Santa Paula, Ventura County; Sunnyvale, Santa Clara County, and possibly a plant at Napa, Napa County. The erection of a box factory and shipping department building is planned for the main plant in San Jose.

Plans for the work will be prepared by Engineers Wallace & Bush, Bank of San Jose Bldg., San Jose.

Contract Awarded.

WAREHOUSE Cost, \$21,500
SAN FRANCISCO. W Howard Street, bet. 12th and 13th Streets.

One-story brick warehouse, 120x148. Owner—John Ponningsen.

Architect—T. Patterson Ross, 310 California St., San Francisco.

Contractor—Barrett & Hilp, Sharon Bldg., San Francisco.

Contract Awarded. Cost, \$25,000
ALTERATIONS

Exclusive of Equipment.

SEATTLE. Wash. Rainier Blvd. at Georgetown.

Remodel building for soft drink plant. Owner—Rainier Brewing & Malting Co., Premises.

Architect—Carl Siebrand, Northern Life Bldg., Seattle.
Contractor—Sound Construction Co., Lowman Bldg., Seattle.

Concrete Work Being Figured. Carpentry and Masonry to be Figured Next Week.

ADDITION COST, \$—
SAN FRANCISCO. Second and Bryant Streets.

Five-story mill construction with steel tower addition to lithograph plant also a steel and concrete press room building, 80x125, in rear.

Owner—Schmidt Lithograph Co. Prem. Manager of Construction—Frederick Whitton, 369 Pine St., San Francisco.

Preliminary Plans Being Prepared.
MFG. PLANT. Cost, \$30,000
NEAR SAN FRANCISCO. Bay District One-story reinforced concrete manufacturing plant.

Owner—Withheld.
Architect—J. W. Dolliver, Royal Insurance Bldg., San Francisco.

Ready For Figures in About Three Weeks.

FACTORY Cost, \$100,000
EMERYVILLE, Alameda Co., Cal. Two-story brick factory building.
Owner—American Rubber Co., 356 Market St., San Francisco.
Architect—Washington J. Miller, 417 Market St., San Francisco.

Plans Being Prepared.
COLD STORAGE PLANT Cost, \$—
PITTSBURG, Contra Costa Co., Cal. Fourth and Black Diamond Sts.

Two-story and basement reinforced concrete market, cold storage and ice manufacturing plant, 72x150.

Owner—A Partnership Composed of C. Lepori, Oakland; Carlo Lepori, 1st National Bank of Pittsburg; A. C. Cardinale, Pittsburg butcher and capitalist, and F. Iacona.

Architect—Italo Zanolini, 604 Montgomery St., San Francisco.

WAREHOUSE, ETC.
Total Cost, \$250,000.

SAN JOSE, Santa Clara Co., Cal. North First Street adjoining S. P. Railroad.

Two-story and basement reinforced concrete cold storage and warehouse buildings.

Owner—Security Warehouse & Distributing Co., J. Q. Patton, Mgr., 14th and Keys Sts., San Jose.

Designer and Engineer—Jas. T. Ludlow, 604 Mission St., San Francisco.

Contractor—Frank L. Hoyt, San Jose.

Mr. Hoyt's contract is for concrete and carpentry work.

Figures will be taken on the balance of the work later.

PLACENTIA, Orange Co., Cal.—Shepherd & Hamm, Central Bldg., Pasadena are preparing plans for a steel, concrete and hollow tile packing house, 100x137 feet, to be erected at Placentia for the Placentia Mutual Orange Association. There will be a basement with three sweating rooms and the structure will have a Colonial front. Shepherd & Hamm will also erect the building on a percentage basis.

OAKLAND, Cal.—Articles of incorporation have been filed with the County Clerk, George E. Gross, by the Niedringhaus Metalware Corporation capitalized at \$1,200,000. The erection of a modern plant for the manufacture of a new company, of which the following

of automobile bodies, airplane and automobile accessories, is planned by the members:

Warne Niedringhaus and Thomas Connors of St. Louis, and H. A. Kim of San Francisco.

The new firm is located in the warehouse of the Western Steel Package Co. Foot of Webster St., Alameda.

MODESTO, Stanislaus Co., Cal.—Following bids were received by the County Supervisors for the construction of a galvanized iron warehouse at the northwest corner of the County Hospital lot:

A. P. Koch, San Francisco.....	\$3,340
Cotton Macauley Co., S. F.	4,396
George J. Ulrich, Modesto	4,170
Tuolumne Lumber Co., Modesto ..	5,400

The contract was awarded to the Tuolumne Lumber Co. H. Benson is County Clerk.

Plans Prepared.

WAREHOUSE Cost, \$60,000
LOS ANGELES, Cal. No. 1335 South Figueroa Street.

Six-story Class "A" warehouse, 58x100. Owner—Bekins Fireproof Storage Co., Premises.

Architect—Ed. T. Flaherty, 1065 Normandie Ave., Los Angeles.

Contract Awarded.
WAREHOUSE Cost, \$25,000 approximately.

OAKLAND, Alameda Co., Cal. Eighth Street near Oak.

Two-story reinforced concrete warehouse.

Owner—Oakland Tribune.

Architect—Ed. T. Foulkes, Crocker Bldg., San Francisco.

Contractor—Jas. H. Pedgrift, 565 16th St., Oakland.

FIREHOUSES AND JAILS

SACRAMENTO, Cal.—Commissioner of Public Health and Safety G. C. Simmons has recommended to the city commission that the old fire house on Second street, which for many years has housed engine company No. 1, be rebuilt.

GARAGES

To be Done by Days Work.

SERVICE STATION Cost, \$5,500
SAN FRANCISCO. SW Geary Street and Twelfth Avenue.

One-story frame and plaster battery service station.

Owner—Withheld.

Architect—H. C. Baumann, 251 Kearny St., San Francisco.

Segregated Figures Being Taken.
GARAGE Cost, \$12,000

SAN FRANCISCO. S. Clement W of Eleventh Avenue.

One-story reinforced concrete and steel garage.

Owner—Withheld.

Architect—H. C. Baumann, 251 Kearny St., San Francisco.

Plans Being Prepared.
GARAGE. Cost, \$—

SAN BERNARDINO, Cal. "E" St. near Fourth.

One-story and basement brick garage, 50x125.

Owner—W. Swan.

Architect—Howard E. Jones, 404 Katz Bldg., San Bernardino.

Contract Awarded. Excavating Started
GARAGE Cost, \$10,000
HANFORD, Kings Co., Cal. West Sixth Street.

One-story concrete block garage, 75x100.

Owner—Hanford Mercantile Co. Lessee—Wm. Goodall, Hanford.

Architect—Not Given.

Carpenter work awarded to E. G. Washburn; Floors to Odell-Cortright Co. and the concrete block work to Fred W. Waechter, all of Hanford.

Plans Prepared.
GARAGE Cost, \$—

ROSS, Marin Co., Cal. Private garage.

Owner—W. O. Wayman.

Architects—Welsh & Carey, Merchants National Bank Bldg., San Francisco

FRESNO, Fresno Co., Cal.—Following bids were received by the City Trustees for the construction of a garage and barn building on the "G" and Fresno City Corporation lots:

Hanson Constr. Co.	\$ 7,900
Frederick F. Smith.....	11,397
Larsen Sampson Co.....	12,239

City Engineer Murray, who prepared plans for the structure, estimated the cost at \$5,200. All bids were rejected.

GOVERNMENT WORK AND SUPPLIES

MARINE BRIGADE BUILDING.

SAN DIEGO, San Diego Co., Cal.—The following bids were received November 26 by the Public Works officer of the twelfth naval district at San Diego for erecting a central building for the Marine Brigade post on Dutch Flats. San Diego:

Lange & Bergstrom, Sharon Bldg., San Francisco, and Timken Bldg., San Diego, \$231,000.

Wm. Simpson Constr. Co., Los Angeles, \$238,900.

Federal Constr. Co., San Francisco, \$241,802.

W. E. Kier Constr. Co., San Diego, \$252,386.

No bids were received at Washington.

WASHINGTON, D. C.—The Carleton Mac Engineering Co. of Boston submitted the only bid at \$48,000, 120 days, and which arrived late at Washington, for furnishing and installing transformers, wires, cables, metal conduits, fittings, fixtures, reflectors, switches, receptacles, panel boards and cabinets necessary for complete electric lighting and power systems for the structural shop at the navy yard, Mare Island, Calif. Drawings and specification No. 3982:

WASHINGTON, D. C.—The following bids were received November 19 under Bureau of Yards and Docks, Specification No. 4034 for constructing marine, medical and supply officers' quarters at San Diego, Calif.:

Charles H. Schaar, \$32,150, time, 120 days.

G. Jermunn Dahl, \$35,400; time, 100 days.

MARE ISLAND, Cal.—The following bids were received at Mare Island December 3rd, for furnishing and installing transformers, wires, cables, metal conduits, fittings, fixtures, reflectors, switches, receptacles, panel

Architects Bliss & Faville, Balboa Bldg., San Francisco.

The following contracts have been awarded:

Excavation work to Maurice Dillon, 180 Jessie St., San Francisco, at \$26,500; 75 days.

Erection of Structural Steel and Iron to C. A. Blume, San Francisco, at \$14,260; 35 days.

Granite and Setting of Same to Raymond Granite Co., 3 Potrero Ave., San Francisco, \$39,580.

Concrete, Brick, Ornamental Terra Cotta and Rough Carpenter Work to K. E. Parker Co., Clunie Bldg., San Francisco, \$180,690.

Plans Awaiting Approval.

COUNTY JAIL Cost, \$35,000
VALLEJO, Solano Co., Cal. Marin and Capitol Streets.

Two-story brick and reinforced concrete branch county jail with offices for County Officials, 34x70.

Owner—County of Solano.

Architect—Chas. E. Perry Jr., 1209 Sutter St., Vallejo.

Architect Perry has also completed plans for the City of Vallejo for a brick and terra cotta city hall to be erected as a second unit to the County Jail building. This structure will be of the Classic style of architecture and will be modern throughout.

RED BLUFF, Tehama Co., Cal.—A committee composed of members of the Board of Supervisors, H. G. Kuhn, County Clerk, will present data at the next meeting regarding plans and specifications for a new county courthouse.

T. A. Spencer is Chairman of the Board and Chas. Mills, Secretary of the Advisory Committee.

LOS ANGELES, Cal.—Fred R. Johnson, H. W. Hellman Bldg., submitted the lowest bid on the general work at \$91,865 for the erection of six nurses' homes at the county hospital. Howe Bros. submitted the lowest bid at \$15,907 for the plumbing; and the F. E. Newbery Electric Co., the only regular bid at \$5,542 on the electric work. The complete list of bids received by the Board of Supervisors were: General work, Fred R. Johnson, \$91,865; R. S. Martin, \$95,950; C. L. Edinger, \$111,905; Los Angeles Planing Mill Co., \$112,506; R. H. Whinery, \$105,830. Plumbing work: Howe Bros., \$15,907; Thomas Haverly Co., \$18,589; Arthur Hess, \$20,825, and Lehman Bros., \$21,887. The bids were referred to the mechanical engineer.

OROVILLE, Butte Co., Cal.—The Supervisors, C. F. Belding, County Clerk, have awarded a contract to Hibbard Bros., Oroville, for the alterations and changes to be made in the enlargement of the County Engineer's Office, at \$1,683. Other bids were:

L. E. Hite.....\$1,770
O. A. Peter.....1,850

RESIDENCES

Contract Awarded.

RESIDENCE Cost, \$10,000
SAN FRANCISCO. Forest Hill.

Two-story frame residence. Plaster exterior, hot air, tile floors and wainscoting and garage.

Owner—John W. Marshall, Mills Bldg., San Francisco.

Architect—W. E. Milwain, Albany Bldg., Oakland.

Contractor—J. Prout, 2020 Turk St., San Francisco.

Contract Awarded.

BUNGALOW Cost, \$6,650

SELMA, Fresno Co., Cal.

Two-story frame bungalow.

Owner—Pello Lutheran Congregation.

Architect—Not Given.

Contractor—Olsen & Nielsen, "A" and

Gather St., Selma.

The only other bid received was that of S. Cooper, 20th and High streets, Selma, at \$7,150.

Plans Being Prepared.

RESIDENCE Cost, \$10,000

YUBA CITY, Sutter Co., Cal.

Two-story frame and stucco residence (8 rooms)

Owner—J. H. Lehner.

Architect—Chester Cole, Waterland-Breslau Bldg., Chico.

Plans Being Prepared.

BUNGALOW Cost, \$5,000

MARYSVILLE, Yuba Co., Cal.

One-story frame and stucco bungalow.

Owner—J. L. Mulvaney.

Architect—Chester Cole, Waterland-Breslau Bldg., Chico.

Contract Awarded on a Percentage Basis.

RESIDENCE Cost, \$—

LOS ANGELES, Cal.—Cromwell Avenue near Vermont Avenue.

Three-story and basement hollow tile residence (10 rooms and 3 bathrooms) and double garage.

Owner—J. W. McFarland.

Architect & Contractor—H. H. White-

ley, 428 Story Bldg., Los Angeles.

The brick and hollow tile work will be done by C. L. Pulliam, 706 N. Andrews Blvd., Los Angeles.

Preliminary Plans Being Prepared.

BUNGALOW Cost, \$6,000

SAN FRANCISCO. Park Presidio District.

Two-story frame bungalow (6 rooms and basement garage).

Owner—Withheld.

Architect—A. L. Lapachet, 110 Sutter

St., San Francisco.

Plans Being Prepared.

RESIDENCES Cost, \$10,000 each

SAN FRANCISCO. Forest Hill.

Six two-story and basement frame and plaster residences and separate garages (7 and 8 rooms and 3 bathrooms each).

Owner—Withheld.

Architect—Walter Falch Hearst Bldg.,

San Francisco.

Plans will be ready for general figures in about 2 weeks.

Contract to be Signed Today.

RESIDENCE Cost, \$10,280

BERKELEY, Alameda Co., Cal. Ashby

Avenue near Claremont.

Two-story frame residence (8 rooms, 2 bathrooms and separate garage).

Owned—Mrs. Wm. Endress, 1118 Oxford St., Berkeley.

Architect—Jas. W. Plachek, 2014 Shat-

tuck Ave., Berkeley.

Contractor—C. Texdahl, 3035 Harper

Ave., Berkeley.

Contract Awarded.

BUNGALOW Cost, \$5,000 ap-

proximately.

EASTON, San Mateo Co., Cal.

One-story six-room frame bungalow.

Owner—Mr. F. Hayward.

Architect—Ernest Norberg, 742 Market

St., San Francisco.

Contractor—C. Fahien, 581 California

St., San Francisco.

To be Done by Days Work.

RESIDENCE Cost, \$10,000

MODESTO, Stanislaus Co., Cal. Stoddard and Sycamore Streets.

Two-story and basement frame residence.

Owner—Mayor Geo. J. Ulrich, Modesto.

Architect—Not Given.

NOTE:—Mr. Ulrich is a general contractor and will erect the structure himself.

LA VERNE, Los Angeles Co., Cal.—

The La Verne Orange Growers' Association has arranged to build about 30

hollow tile cottages for employees in La Verne. D. C. Crookshank of Pomona,

will have charge of the construction. The cottages for Mexicans will each

have three rooms and bath and the houses for American employes will

contain 4 and 5 rooms each.

Plans Being Prepared.

RESIDENCE Cost, \$50,000

COVINA, Los Angeles Co., Cal.

Frame and stucco residence (14 rooms and 6 bathrooms).

Owner—L. J. Grimmersey.

Architects—Stanton Reed & Hubbard, 632 Metropolitan Bldg., Los Angeles.

Plans have been completed and work is being started on two bungalows and a large barn on the same property.

Plans Being Prepared. To be Done by Days Work.

BUNGALOWS Cost, \$—

OAKLAND, Alameda Co., Cal.

Five one-story frame bungalows and 8 two-story frame residences.

Owner—Chas. MacGregor.

Architect—A. W. Smith, 1010 Broadway, Oakland.

Contractor—Owner.

Contract Awarded.

RESIDENCE Cost, \$12,500

OAKLAND, Alameda Co., Cal. Bellevue

Avenue.

Two-story and basement frame and plaster residence and garage (10 rooms).

Owner—P. B. Manheim.

Architect—E. W. Cannon, Central Bk. Bldg., Oakland.

Contractor—E. T. Leiter & Son, Call Bldg., San Francisco.

Plans Being Figured.

RESIDENCE Cost, \$7500

SAN FRANCISCO. Eastwood Drive and

San Ramon.

One-story and basement 6-room frame residence and garage.

Owner—Miss Ida McCain.

Architect—Miss Ida McCain, 318 Kearny St., San Francisco.

Plans Being Prepared. Contract Awarded.

RESIDENCE Cost, \$—

PACIFIC GROVE, Monterey Co., Cal.

One-story frame and plaster residence (6 rooms).

Owner and Architect—Paul V. Tuttle,

565 Lighthouse Ave., Pacific Grove.

Contractor—Del Monte Products Co.,

Pacific Grove.

Plans Being Completed.

DWELLING Cost, \$—
PACIFIC GROVE, Monterey Co., Cal.
One-story frame dwelling (6 rooms).
Owner—J. F. Rogers, Pacific Grove.
Architect—Paul V. Tuttle, 565 Light-
house Ave., Pacific Grove.

Contract Awarded.

RESIDENCE Cost, \$10,000
SAN FRANCISCO. Monterey Blvd. and
Paxon Avenue.
One-story and basement frame resi-
dence (7 rooms and garage).
Owner—Miss Ida McCain.
Architect—Miss Ida McCain, 318 Kear-
ny St., San Francisco.
Contractor—H. J. Hansen, 1329 20th
Ave., San Francisco.

Contract to be Awarded.

PARISH HOUSE Cost, \$15,425
PIEDMONT, Alameda Co., Cal. Ridge-
way and Howe Street.
Two-story frame and plaster parish
house.
Owner—St. Leo's Parish.
Architect—Jas. W. Plachec, 2014 Shat-
tuck Ave., Berkeley.
Contractor—Henry McCullough, 1641
Allston Way, Berkeley.

Contract Awarded.

RESIDENCE Cost, \$—
BERKELEY, Alameda Co., Cal.
Two-story attic and basement rein-
forced concrete and brick veneer
residence and garage (10 rooms).
Owner—Mr. Elliott.
Architect—Miss Julia Morgan, Mer-
chants' Exchange Bldg., San Fran-
cisco.
Contractor—Enoch Tranmal, 854 54th
St., Oakland.

Sub-Figures Being Taken.

RESIDENCE Cost, \$—
SAN FRANCISCO. Broadway and Web-
ster Streets.
Two-story and basement brick and
frame residence (about 15 rooms).
Owner—Harry Hill, 2550 Webster St.,
San Francisco.
Architect—Kenneth MacDonald Jr., 234
Pine St., San Francisco.

Plans Being Figured.

COTTAGE Cost, \$—
BURLINGAME, San Mateo Co., Cal.
One-story frame cottage (thatch roof)
& rooms.

Owner—Norman Grieg.

Architect—Kenneth MacDonald Jr., 234
Pine St., San Francisco.

Plans Being Prepared.

BUNGALOWS Cost, \$—
SAN JOSE, Santa Clara Co., Cal.
Forty-seven one-story frame bunga-
lows 26x43 (5 rooms each).
Owner—Withheld.
Architect—Henry Shermund. Hearst
Bldg., San Francisco.

Plans Being Figured.

RESIDENCE Cost, \$12,000
SAN FRANCISCO. Sea Cliff
Two-story and basement reinforced
concrete residence and tile terrace
(6 rooms and 2 baths).
Owner—Dr. A. Abrams.
Architect—Henry C. Smith, Humboldt
Bank Bldg., San Francisco.

Completing plans.

RESIDENCE Cost, \$—

LOS ANGELES, Cal. Western Avenue

near Wilshire Blvd.
Two-story hollow tile residence (9
rooms and 2 bathrooms).

Owner—C. H. Johnson.

Architects—Walker & Eisen, 1403 Hi-
bernia Bldg., Los Angeles.
(29385) 1st report Sept. 2, 1919.

Plans Being Prepared.

BUNGALOW Cost, \$4,000
OAKLAND, Alameda Co., Cal. 4th Ave.
Tract.
Six-room frame bungalow.
Owner—Withheld.
Designers—Hutchinson & Mills. Al-
bany Block, Oakland.

Plans Being Prepared.

ALTERATIONS Cost, \$2,000
ALAMEDA, Alameda Co., Cal.
Alterations to frame residence.
Owner—Withheld.
Architect—Hamilton Murdock, 915
Syndicate Bldg., Oakland.

Plans Being Prepared. To be Done by

Days Labor.
BUNGALOWS Cost, \$—
BERKELEY, Alameda Co., Cal. Ward
Street.

Two one-story bungalows.

Owner—Leslie Wilson, 2642 Prince St.,
Berkeley.
Designers—Hutchinson & Mills. Al-
bany Block, Oakland.

Plans Being Prepared.

RESIDENCE Cost, \$20,000
ALAMEDA, Alameda Co., Cal.
Two-story frame and plaster residence
Owner—Withheld.
Architect—Hamilton Murdock, 915
Syndicate Bldg., Oakland.

Plans Being Prepared.

ALTERATIONS Cost, \$5,000
NAPA, Napa Co., Cal.
Alterations to frame residence.
Owner—Withheld.
Architect—Hamilton Murdock, 915
Syndicate Bldg., Oakland.

Preliminary Plans Being Prepared.

RESIDENCE Cost, \$15,000 to \$20,000
SAN FRANCISCO.
Two-story and basement frame resi-
dence (about 10 rooms).
Owner—Withheld.
Architect—Wm. E. Milwain, Albany
Bldg., Oakland.

Plans Being Prepared.

BUNGALOW Cost, \$5,000
FRESNO, Fresno Co., Cal. Belmont
Avenue opp. Roeding Park.
Frame and plaster bungalow.
Owner—H. R. Worthington.
Architects—Swartz & Ryland, Rowell
Bldg., Fresno.

SACRAMENTO, Cal.—The Chamber of
Commerce has called a meeting to dis-
cuss the proposal of A. R. Peddar, of
Los Angeles, to erect in Sacramento
100 homes valued at \$3,000 each. Ped-
dar agrees to undertake the task pro-
vided the banks of the city would take
a first mortgage of \$2000 and private
persons assume the remaining \$1000 as
a second mortgage.

Homes erected by Peddar in Napa,
Napa County, were recently inspected
by State Architect George B. Mc-
Dougall, who reported "The value is in
these homes." Similar report were
presented by officials of the labor

unions and by George G. Radcliff,
Chairman of the Housing Committee of
the Chamber of Commerce.

Plumbing Contract Awarded.

RESIDENCE Cost, \$—
LOS GATOS, Santa Clara Co., Cal.
Two-story and basement frame resi-
dence and garage.
Owner—Mrs. C. H. Perkins, 145 Cher-
ry St., San Francisco.
Architect—Miss Julia Morgan, Mer-
chants' Exchange Bldg., San Fran-
cisco.

Contractor—Grace & Bernieri, Claus
Spreckels Bldg., San Francisco.

The contractors have awarded a con-
tract to Frederick W. Snook Co., for
roughing in plumbing and a portion of
the fixtures. Contract price, approxi-
mately \$4,400.

SCHOOLS

SACRAMENTO, Cal.—State Archi-
tect G. W. McDougall has recommen-
ded that the contracts for the electric
work and plumbing, heating and ven-
tilating work for the main building of
the Humboldt State Normal School at
Arcata be awarded to The Turner Co.,
272 Natoma St., San Francisco. Their
bids were as follows: Electric work,
\$6,840; plumbing, etc., \$29,280.

BERKELEY, Alameda Co., Cal.—On
recommendation of Architect Wm. C.
Hays, First National Bank Bldg., San
Francisco, the Berkeley Board of Edu-
cation is considering the calling of bids
for furnishing and delivering approxi-
mately 300 tons of reinforcing steel to
be used in city school construction.

The next meeting of the Board of
Education is set for December 16th,
when it is probable that the call for
bids will be issued.

MADERA, Madera Co., Cal.—Bids
will be received by the Madera Union
High School District, G. M. Shedd, Sec-
retary, up to January 5th, 7:30 P. M.,
for the construction of a addition to
the present school building, in accor-
dance with plans prepared by Swartz
& Ryland, Architects and Engineers,
Rowell Bldg., Fresno.

Certified check of 10% payable to G.
M. Shedd, Secretary of the School
Board, must accompany each bid.

Contract Awarded.

SCHOOL Cost, \$41,215
ARCADIA, Los Angeles Co., Cal.
One-story hollow tile school, 190x160.
(8 rooms and an auditorium).
Owner—Arcadia School District.
Architect—Norman F. Marsh, 210
Broadway Central Bldg., Los An-
geles.
Contractor—Daniels & Farris, Pas-
adena.

The award was made on the original
bid of \$52,715 for Denison tile walls
and a deduction of \$11,500 for omitting
the interior finish. The plumbing was
awarded to the South Pasadena Plum-
bing Co. at \$1905; heating to Pacific Gas
Radiator Co. at \$1111; and painting to
Alhambra Wall Paper & Paint Co., at
\$1050.

Figures to be Called for This Week.

SCHOOL Cost, \$90,000
ANTIOCH, Contra Costa Co., Cal.
One-story brick school.
Owner—Antioch School District.

Architect—W. H. Weeks. 75 Post St., San Francisco.
Bonds have been voted.

FRESNO, Fresno Co., Cal.—Bids will be received by the Fresno Board of Education, J. R. Fontaine, Secretary, up to January 5th, 5 P. M., for the construction of the following schools: John Muir, Arlington Heights, Webster, Longfellow, and Kirk.

Bids will be taken as follows:

Specification "A" Excavation, concrete work, carpenter work, mill work, etc.

"B" Brick and terra cotta.

"C" Steel and ornamental iron.

"D" Plumbing.

"E" Heating.

Plans may be seen at the office of Trewhitt-Shields Co., 435 Rowell Bldg., Fresno.

SACRAMENTO, Cal.—Francis W. Reid, Architect, Oachner Bldg., Sacramento, has presented a rather satisfactory plan to the Sacramento Board of Education for carrying on school improvements under the recent \$2,084,000 bond issue.

The Sacramento architects, as an organization, ask 6 per cent of the cost of the buildings for their share. Reid wants \$1,000 for each building where a modification of the William Land School plan is made, and 1 per cent where new plans are drawn. The School Committee of the Chamber of Commerce has recommended all schools to be built along the lines of the William Land School.

If this recommendation is followed, Reid's charges would be \$14,000 for the fourteen schools. If new plans were drawn for all his charges would be \$23,040. The 6 per cent asked by the organized architects would make the figure \$138,240.

C. F. Welland, San Francisco architect, made application for the position of Executive and General Superintendent of Building, under the recommendation of the School Committee of the Chamber of Commerce that such an officer be named.

Sylvain Schnalttacher, representing the San Francisco Chapter of the American Institute of Architects, of which the Sacramento architects are members, in a letter to the Board of Education, enclosed a copy of a letter he had sent to Shea & Lofquist, the architects who drew the William Land School plans, and who have offered to draw further plans for 2 per cent, with such modifications as may be necessary. In this letter to Shea & Lofquist, Schnalttacher warned them that their offer is a violation of the canons of ethics of the American Institute of Architects.

MONTEREY, Monterey Co., Cal.—Contracts for two reinforced concrete schools have been awarded by the Trustees of the Monterey School District, A. G. Winston, Clerk, from plans prepared by Architects Paul V. Tuttle and Arthur W. Angel, 565 Lighthouse avenue, Pacific Grove, Cal., as follows:

Fourteen-room building to T. H. Dean of Monterey at \$69,200, which includes all work with the exception of plumbing and heating. Plumbing awarded to Pierce & Towle, Monterey, at \$2,450. The bids for heating have been rejected.

Six-room Building to Haggans &

Warden, San Francisco, at \$23,770, which includes all work with the exception of plumbing and heating. The plumbing contract has been awarded to Pierce & Towle of Monterey at \$1,000. Bids for the heating were rejected. A complete list of bids for each building may be seen at this office.

CHINO, San Bernardino Co., Cal.—Until 8 P. M., January 12, bids will be received by trustees of Chino grammar school, Wm. T. Clarke, Clerk, for 25 school desks. Specifications may be obtained from principal of grammar school at the high school building.

HEMET, Riverside Co., Cal.—Until 7 P. M., December 18, bids will be received by Trustees of Hemet Union High School District, C. E. Goodhue, Clerk, for erecting an intermediate school building at Hemet in accordance with plans and specifications by G. Stanley Wilson, Virginia Block, Riverside. Deposit of \$15 required for plans. Certified check for 5% required. Bids will be taken separately for the general contract, for plumbing and metal work and for heating and ventilating. Bonds to amount of \$70,000 have been voted.

Contract Awarded.

ADDITION Cost, \$5,475
ALAMEDA, Alameda Co., Cal. Washington School.

Addition and finishing of community rooms, etc.

Owner—City of Alameda.

Architect—Henry H. Meyers, Kohl Bldg., San Francisco.

Contractor—W. G. Thornally, 3027 E-16th St., Oakland.

Other bidders were:

McLeran & Peterson.....\$5,495
J. H. Pedgrift.....5,625
C. Christensen & Son.....5,718

Contract Awarded.

SCHOOL Cost, \$—
DUNSMUIR, Siskiyou Co., Cal. High school.

Owner—Dunsmuir Union High School.

Architect—Geo. Teets, Sisson, Calif.

Contractor, W. R. Campbell, 3521 "J" St., Sacramento.

(29873) 1st report Sept. 2, 1919.

Grant Avenue.

Add one-story, 55x60, to Class "C" store building.

Contracts Awarded.

ADDITION Cost, \$21,000

SAN FRANCISCO. S Post St. 60 E

Owner—H. Liebes & Co., Premises.

Architect—Wm. Mooser, Nevada Bank Bldg., San Francisco.

Carpentry Work, Etc., to G. Peterson.

Structural Steel to Central Iron Works

Plumbing, Heating and Wiring to O.

Kurtz, San Francisco.

Elevators to Otis Elevator Co., Beach

and Stockton, Sts., San Francisco.

Plans Being Figured.

AUTO SALESROOM Cost, \$6,000

MARYSVILLE, Yuba Co., Cal.

One-story brick auto salesroom with

corrugated iron roof.

Owner—Hampton Hardware Co.

Architect—Chester Cole, Waterland-

Breslauer Bldg., Chico.

Contract Awarded.

DEPARTMENT STORE Cost, \$—

BAKERSFIELD, Kern Co., Cal.

STORES AND OFFICES

Foundations for six-story and basement reinforced concrete department store.

Owner—Conklin & Brodek.

Lessee—Hochheimer & Clark.

Architect—Orville L. Clark, Bakera-

field.

Contractor—K. E. Parker, Clunie Bldg., San Francisco.

Bids in and Under Advertisement.

DEPT. STORE. Cost, \$—

BAKERSFIELD, Kern Co., Cal.

Six-story Class "B" department store building.

Owner—E. W. Hopkins.

Architects—Bliss & Faville, Balboa Bldg., San Francisco.

Bids ran over the estimate and plans may be revised for a smaller building.

Figures were taken for a general contract.

December 1, 1919.

Contract Awarded.

ADDITIONS Cost, \$20,000

GRAND ISLAND, Sacramento Co., Cal.

Additions and alterations to residence.

Owner—E. H. Meyers.

Architect—J. W. Dolliver, Royal Insurance Bldg., San Francisco.

Contractor—Jas. Farlong, 621 18th Ave., San Francisco.

Contract Awarded.

STORE Cost, \$23,000

SEATTLE, Wash. SW Minor and Pine Streets.

One-story brick store, 135x100.

Owner—L. B. Peebles, Care Crane Co., Seattle, Wash.

Architect—Bebb & Gould, Securities Bldg., Seattle.

Contractor—James Murdock, Lumber Exchange Bldg., Seattle.

LOS ANGELES, Cal.—N. Clark & Sons, San Francisco, N. W. Howard local representative, has been awarded the contract for furnishing the terra cotta for the six-story Class "A" store building to be erected at the northeast corner of Sixth street and Broadway, Los Angeles, for F. B. Silverwood. The contract amounts to approximately \$20,000. Walker & Eisen, 1402 Hibernian Bldg., Los Angeles, are the architects.

Plans Being Prepared.

STORES Cost, \$15,000

OAKLAND, Alameda Co., Cal. Eighth and Clay Streets.

One-story brick and hollow tile building, 75x100 (six stores).

Owner—R. W. Kenney.

Architect—A. W. Smith, 1010 Broadway, Oakland.

Contract Awarded.

AUTO SALES BUILDING Cost, \$16,000

PORTLAND, Ore. East Eighth and Hawthorne Streets.

One-story brick and concrete autosales building.

Owner—Whitney L. Boies.

Lessee—International Truck Co.

Architect—Houghtaling & Dougan, Henry Bldg., Portland, Ore.

General Contractor—A. C. Meyers, 1084

Albina Avenue.

Fox & Co., heating and plumbing.

Western Roofing & Supply Co., roofing and sheet metal work.

Site Purchased. Plans to be Prepared.

AUTO SALESROOMS Cost, \$25,000
CHICO, Butte Co. First Wall and Second Streets (triangular lot).
 One-story concrete auto salesrooms and garage.
 Owner—W. F. Gage & Sons, Inc., Chico.
 Architect—Not Given.

The members of the company are William F. Gage, president; Walker M. Gage, treasurer and Snyder J. Gage, secretary.

THEATRES

Plans Being Prepared.
THEATRE Cost, \$100,000
SALINAS, Monterey Ca.; Cal.
 Two-story reinforced concrete theatre, offices and (2) stores.
 Owner—Brown Bros., Salinas.
 Lessee—Turner & Dahnen, San Francisco.
 Architect—A. W. Cornelius, Merchants National Bank Bldg., San Francisco

Ready for Figures in About a Week.
THEATRE Cost, \$125,000
RICHMOND, Contra Costa Co., Cal.
 MacDonald Avenue.
 One-story and balcony Class "A" theatre and (2) stores.
 Owner—Turner & Dahnen, San Francisco.
 Architect—A. W. Cornelius, Merchants National Bank Bldg., San Francisco.

Contracts Awarded
THEATRE Cost, \$70,000
SAN FRANCISCO. No. 3350 Mission Street near 29th.
 One-story Class "A" motion picture theatre.
 Owner—S. Mariani, 2881 23rd St., San Francisco.
 Architects—Reid Bros., 105 Montgomery St., San Francisco.
Concrete, excavation and carpentry awarded to G. B. Pasqualetti.
Steel and ornamental iron to Golden Gate Iron Works.
Galvanized iron to Guilford Cornice Co.
Electric work to Butte Elec. Equipment Company.
Plastering to Peter Bradley.
Heating to Atlas Heating & Ventilating Company.
Tile to Scott Company.

Plans to be Prepared.
THEATRE Cost, \$1,000,000
LOS ANGELES, Cal. Highland Avenue over 600 acres.
 Fireproof Greek theatre and other buildings, landscaping, etc.
 Owner—Theatre Arts Alliance, Inc., Los Angeles.
 Architect—Louis C. Mullgardt, Chronicle Bldg., San Francisco.
 Preliminary plans have not been prepared, but will be shortly.

Plans Being Prepared.
OFFICE & THEATRE ELDO.
 Cost, \$1,000,000.
SAN FRANCISCO. Market and Taylor Streets.
 Seven-story Class "A" office and theatre building.
 Owner—Loew-Ackerman-Harris.
 Architects—G. Albert Lansburgh, 709 Mission St., San Francisco, and Thos. W. Lamb of New York.
 Construction to start in about four months.

ENGINEERING

BRIDGES, DAMS & HARBOR WORK

STOCKTON, San Joaquin Co., Cal.—The Supervisors have directed County Engineer Quall to prepare plans and specifications for the improvement work on the bridge over North Slough at Bellota, Flood Bridge and Garwood Ferry Bridge. Eugene D. Graham is County Clerk.

FRESNO, Fresno Co., Cal.—Geo. F. Coley of Woodland, who owns the Belmore and Chaney ranch of 6720 acres in Fresno County, proposes to build a dam to cost \$100,000 to impound waters of Panoche and Silver creeks for irrigation. He has applied to the railroad commission for permission to operate as a public utility.

SANTA CRUZ, Santa Cruz Co., Cal.—On recommendation of Mayor Kratzenstein it is probable that the reconstruction of the present bridge over Placiforte creek at Water street, will be placed underway shortly. The work is estimated to cost \$2,500 and will consist of the addition of two new spans and a six-foot concrete sidewalk on the south side.

The construction of a new bridge is estimated at \$12,000, but this amount is not available for construction.

BERKELEY, Alameda Co., Cal.—Cornelius Maloney, representing the East Bay Water Company of Oakland, has filed application with the Berkeley City Council asking permission to construct a concrete oil tank at the Rose street pumping station in place of a steel tank. The tank will have a capacity of 15,000 gallons.

The application has been taken under advisement.

MADERA, Madera Co., Cal.—The City Clerk has been instructed to advertise for bids for furnishing the necessary labor to complete construction of the proposed bridge over the canal on Vineyard avenue. The material will be furnished by the Madera Sugar Pine Company who requested that the structure be erected.

FRESNO, Fresno Co., Cal.—Bids will be received by D. M. Barnwell, County Clerk, up to December 12th, 2 P. M., for the construction of a reinforced concrete bridge, located on Sanger-Kingsburg avenue, at a point about 1½ mile north of the SE corner of Section 10, in Township 15 South, Range 22 East, M. D. B. & M., also being on that portion of the Fresno County Highway System known as Route 20, Section A.

Separate bids will be received on the same date for the construction of a reinforced concrete bridge, located over the Fowler Switch Canal, on Sanger-Academy avenue, at a point about ½ mile north of the N limits of the City of Sanger, Fresno County, also being on that portion of the Fresno County Highway System known as Route 16, Section A.

Certified check of 10% payable to Chairman of the Board of Supervisors must accompany each bid.

SACRAMENTO, Cal.—Bids will be received by City Clerk M. J. Desmond, up to December 16th for the construction of a new elevator on the Municipal Wharf just north of the coal bunkers. Plans may be seen at the office of the City Clerk.

BIDS OPENED FOR RETAINING WALL AND STREET IMPROVEMENT.

SAN FRANCISCO—Following bids were received by the San Francisco Board of Public Works for the construction of Army street retaining wall:

Alfred H. Vogt.....	\$43,837
Anderson & Ringrose.....	44,904
Bos & O'Brien.....	54,000
Healy Tibbitts Co. (low).....	40,257
Clinton Constr. Co.....	48,264
John Spargo.....	50,375
Jas. M. Smith.....	51,200
C. B. Cowden.....	58,950

SANTA CRUZ, Santa Cruz Co., Cal.—The construction of a modern bridge on Meder street, crossing the gulley which marks the city and county junction, has been abandoned by the City Trustees as it was found that such a structure would cost between \$12,000 and \$14,000.

SAN FRANCISCO—J. M. Lettich, Monadnock Bldg., has been awarded a contract by the State Harbor Commissioners for piping at the Islais Creek Vegetable Oil Plant at a cost of approximately \$7,000.

SACRAMENTO, Cal.—W. P. Dwyer, of the Sacramento Transportation Company, Traffic Manager G. J. Bradley, of the Merchants' and Manufacturers' Traffic Association, have recommended to the City Commissioners the following improvements on the Sacramento waterfront, the total cost of which is \$18,675:

1. Move the elevator of the Sacramento Transportation Company south seventy feet, \$6,425
2. Remove the dolphin in front of the M street wharf, \$250.
3. Move the No. 2 elevator at the M street wharf south seventy feet, \$4,000.
4. Build a shed on the coal wharf, \$2,000.
5. Install an elevator at the coal wharf, \$6,000.

No action was taken. M. J. Desmond is City Clerk.

NICOLAUS, Butte Co., Cal.—The State Engineering Advisory Board, upon recommendation of State Engineer W. F. McClure, has agreed to pay \$2,500, or one-half of the cost of raising three and one-half feet, a total of 2,000 feet of a low portion of the levee of Reclamation District 803, on the west bank of the Feather River opposite Nicolaus. This is contingent upon the remainder of the cost being borne by the interests affected.

SAN JOSE, Santa Clara Co., Cal.—The contract awarded July 7th by the County Supervisors to The Ralsch Improvement Co. for construction of a drainage ditch in Blaney avenue was withdrawn at the last meeting of the County Board of which Henry A. Pfister is Clerk.

SANTA ANA, Orange Co., Cal.—Until December 16, bids will be received by the Board of Supervisors of Orange County for constructing the Richfield road bridge.

MADERA, Madera Co., Cal.—Bids received by the County Supervisors, W. R. Curtin, County Clerk, for furnishing lumber for use in Road District No. 2 have been rejected and it is probable that the material will be purchased in the open market.

IRRIGATION WORK

MADERA, Madera Co., Cal.—State Engineer W. F. McClure has notified the Madera County Supervisors that his office has approved of the formation of the proposed Madera Irrigation District.

CHICO, Butte Co., Cal.—Work has been started on the extension of the Sutter-Butte Canal Company's lines south from Live Oak to a district east of District No. 1500 in Sutter County.

The work is in charge of J. L. Tullock of Gridley, Manager of the concern, and is estimated to cost \$15,000.

FRESNO, Fresno Co., Cal.—The County Supervisors have approved the petition for the formation of the Riverdale Irrigation District and have directed the County Engineer to go into the engineering details regarding the project. A final hearing for the formation has been set for March 1st. D. M. Barnwell is County Clerk.

SACRAMENTO, Cal.—The Trustees of Reclamation District No. 1660 are ready to submit to the State Reclamation Board plans of the engineers calling for the expenditure of \$1,786,000 in reclaiming the district.

The biggest portion of the money will be expended in the building of levees, roads, bridges, fencing, railroad, etc.

The Trustees of the District are: P. H. McGrath, E. S. Brown and George W. Peltier. The engineer is J. C. Boyd.

MERCED, Merced Co., Cal.—The election held recently to form the proposed Merced Irrigation District carried. A bond election will be called within the next few weeks to finance construction of the proposed system, which will cost between \$5,000,000 and \$6,000,000. About 173,000 acres are included in the district.

TO VOTE IRRIGATION BONDS.

FORT JONES, Siskiyou Co., Cal.—December 13th is the date set to vote bonds of \$125,000 in the Scott Valley Irrigation District to finance construction of an irrigation system.

LIGHTING SYSTEMS

CHICO, Butte Co., Cal.—Plans prepared for a modern lighting system for this city have been completed by the Pacific Gas & Electric Company and will be presented for approval at the next session of the City Trustees. The new system will be installed in the annexed section of the city.

FRESNO, Fresno Co., Cal.—Bids will be received up to January 5th, 2 P. M., by the County Supervisors, D. M. Barnwell, County Clerk, for the installation of an electrical switchboard at the County Hospital. Certified check of 10% payable to Chairman of the Board of Supervisors must accompany each bid.

MACHINERY

SAN JOSE, Santa Clara Co., Cal.—The following bids were received by the County Supervisors for digging a well and installing a pump and motor at the county almshouse:

Surveyors' Estimate: Bid A. well, \$2,185; bid B. complete, \$4,850; bid C. without power, \$4,300.

Yayne & Bowler Corp. (a) \$3,766.20; (b) installing, \$2,280.50; (c) \$1,338.50.

All bids were rejected and the clerk directed to re-advertise for bids to be open on January 5, 1920, 11 A. M.

Henry A. Pfister is County Clerk.

SEWERS, STREET WORK, ROADS AND WATER SYSTEMS

VALLEJO, Solano Co., Cal.—No bids were received by the City Council. Alf Edgumbe, City Clerk, for the improvement of Hichborn street between Sacramento and Wilson avenue. T. D. Kilkenny is City Engineer.

SANTA ROSA, Sonoma Co., Cal.—The City Engineer has been instructed to prepare plans for the improvement of Humboldt street between Johnson and Benton streets with a 2-inch layer of crushed rock to be rolled and covered with asphalt, the finish product being then about 3-inches in thickness.

Plans for the improvement of Tenth street between Mendocino and "B" streets were also ordered prepared.

As no bids were received for the improvement of "E" street from Fourth to the bridge, the City Street Commissioner was instructed to do the work.

The report regarding the extension of the Wright street sewer will be presented at the next meeting of the Council.

OAKLAND, Cal.—The County Supervisors, Geo. E. Gross, County Clerk, has awarded a contract to the California Hydraulic Engineer & Supply Co., 70 Fremont St., San Francisco, at \$3,750 for a pumping unit for the water supply system at the Arroyo Sanitorium.

EUREKA, Humboldt Co., Cal.—The City Board of Health has recommended to the City Council that action be taken regarding the Whipple street sewer also to investigate the lack of sewage in "L" street.

MONTEREY, Monterey Co., Cal.—The Granite Rock Co., Salinas, submitted the only bids to the Monterey City Council, Archie Kay, City Clerk, for the improvement of portions of Perry and Van Buren streets and were awarded the contract. The bids were:

Van Buren street, \$4.35 per ton for rock placed and 3½ cents per sq. ft. for asphalt surfacing

For Perry street, \$3.35 per ton for rock placed and 3½ cents per sq. ft. for surfacing.

Pacific PIPE

SAVES YOU MONEY

New and re-noved screw casing and standard pipe for every requirement; tested and guaranteed for 150 pounds working pressure; dipped in hot asphaltum to prevent corrosion. Extensively used by orchardists and farmers, water-works, mines, etc.

Pacific Screw Casing is seamless steel pipe, light weight, fine thread. Saves you from one-half to two-thirds in cost; freight is half as much as on standard pipe.

Fittings and valves for every purpose; special fittings made to order. Tell us today what your requirements are; let us save you money.

PACIFIC PIPE CO.,

231 Howard St. San Francisco

EUREKA, Humboldt Co., Cal.—The City Council has awarded a contract to the Worswick Construction Co., "I" and San Diego Sts., Fresno, at \$2.25 per yd. delivered in the city truck, screened gravel for use on the city streets.

Alternate bids submitted by the company were: per yard at company's screening plant at Fernbridge, 80 cents, and f. o. b. Eureka, \$1.88 per yard.

MONTEREY, Monterey Co., Cal.—Petitions are being circulated asking the Trustees to take steps providing for the improvement of Decatur street.

At the last meeting of the Council steps were taken to cancel all proceedings on Ocean View avenue, Reeside avenue and Wave street.

New proceedings providing for the improvements of these streets will be taken at the next meeting. Archie Kay, City Clerk.

RIVERSIDE, Cal.—Until 2 P. M., Dec. 17, bids will be received by the Supervisors of Riverside County for the following road work in the Palo Verde valley:

Arrowhead permanent road division, involving 26,277 cu. yds. excavation, 408 cu. yds. gravel; 394 ft. 14-in. and 26 ft. 10-in. concrete pipe; 27 14-in. and 2 10-in. gates and 20 turnout boxes.

West Blythe Div., involving 16,066 cu. yds. excavation; 240 cu. yds. gravel; 288 ft. 14-in. and 40 ft. 10-in. concrete pipe; 22 14-in. and 4 19-in. gates and 6 turnout boxes.

Rocky Comfort Div., involving 49,784 cu. yds. excavation; 942 cu. yds. gravel; 766 ft. 14-in., 70 12-in., and 96 ft. 19-in. concrete pipe; 71 14-in. 8 12-in., and 10 19-in. gates and 34 turnout boxes.

Fertilla Div., involving 24,968 cu. yds. excavation; 2,553 cu. yds. gravel; 628 ft. 14-in., and 20 ft. 19-in. concrete pipe; 10 14-in. and 2 10-in. gates and 4 turnout gates.

Comer Div., involving 17,704 cu. yds. excavation; 46 cu. yds. gravel; 86 ft. 14-in., and 16 ft. 19-in. concrete pipe;

5 14-in. and 2 10-in. gates and 18 turnout boxes.

Anelo Valle Div., involving 47,213 cu. yds. excavation; 1044 cu. yds. gravel 1098 ft. 14-in., 72 ft. 10-in., and 36 ft. 8-in. concrete pipe: 8 10-in. and 4 8-in. gates and 30 turnout boxes.

Plans and specifications may be obtained from County Surveyor A. C. Fulmer at Riverside. Certified check for 5% required. D. G. Clayton, Clerk.

AVAILON, Catalina Island, Los Angeles Co., Cal.—Until 1:30 P. M., December 19, bids will be received by the City Clerk of Avalon for furnishing all pipes, valves, special castings and appurtenances and all other materials; also for furnishing all labor for constructing a municipal gas distributing system. A copy of the official notice inviting bids, containing more detailed information, will be mailed upon application to F. M. Tidball, City Clerk, Avalon.

FRESNO, Fresno Co., Cal.—Bids will be received by the City Council, Chas. Dillon, City Clerk, up to December 15th, 8 P. M., for the improvement of La Salle avenue from the west line of Blackstone to the west line of Glenn avenue, by grading; constructing cement concrete curbs and sidewalks; corrugated iron culverts and oiling between curb lines.

SAN FRANCISCO.—The Board of Public Works has granted a permit to Plinn & Treacy to grade, construct curbs and gutters of concrete in Anderson street between Powhattan and Eugenia, and to improve the roadway with asphalt and vitrified brick pavement.

LOS ANGELES, Cal.—Fairchild-Gilmore-Wilton Co., Pacific Electric Bldg., Los Angeles, was awarded the contract at \$19,859.46 for paving Cheney St. between Santa Fe Ave. and a point 306 ft. east of Minerva St., involving 58,472 sq. ft. grading to finished subgrade at 3c ft., 58,472 sq. ft. protected concrete paving at 23c ft., 24,086 sq. ft. rough grading at 4c ft., 24,086 sq. ft. finishing grade, oiling and rolling at 5c ft., 30 lin. ft. armored curb at \$2 ft., 52 sq. ft. cement sidewalk at 25c ft., 16 sq. ft. granite block gutter at \$1 ft. and sanitary sewer to cost \$2400. Other bids received by the Board of Public Works were: Wm. Liddington, \$21,975.64; George R. Curtis, \$23,480.36 and M. S. Cummings, \$24,158.17.

BERKELEY, Alameda Co., Cal.—Petitions have been received by the City Council, A. G. Briggs, City Clerk, asking the construction of cement concrete sidewalks in Sixth street north of Gilman.

SAN FRANCISCO.—The State Harbor Board on recommendation of Engineer Frank G. White, has awarded a contract to F. R. Ritchie at \$1,938 for making repairs in pavement in the vicinity of the Ferry Building and to the Co-Operative Works at \$875 for painting shed at Pier No. 7.

FRESNO, Fresno Co., Cal.—Bids received by the County Supervisors for laying a 1-2-4 untopped concrete pavement in Elm avenue under the recently voted \$4,800,000 county highway bond issue have been rejected, on recommen-

dation of County Engineer Chris P. Jensen.

STOCKTON, San Joaquin Co., Cal.—The County Supervisors have received a request from the Lodi City Trustees asking that action be taken regarding the construction of a road to connect Locust, Oak, Walnut and Lodi streets with Cherokee Lane. While the proposed improvement is not within the Lodi city limits the City Trustees have agreed to pay one-half the cost of the proposed work.

OROVILLE, Butte Co., Cal.—The City Trustees have instructed Sewer Engineer Savage to submit a report at the next meeting on the construction of a sewer system from the top of Bridge Hill to Montgomery street.

RICHMOND, Contra Costa Co., Cal.—The State Railroad Commission has granted the application of the Richmond City Council to construct an undergrade crossing at Sixteenth Street, the expense to be borne by the City of Richmond and the Santa Fe Railroad. A. C. Faris is City Clerk.

MODESTO, Stanislaus Co., Cal.—The City Council, W. O. Thompson, City Clerk, has awarded a contract to the Standard Paving Co. for the improvement of Fifteenth street from the SE line of H street SE to the S line of E street and E street from the NE line of Fifteenth street NE to the W line of Burney street and Spencer street from the W line of Burney to a point E 490 feet E of James street by grading, paving with a 4-inch Portland cement concrete base and a 1½ inch bitulithic wearing surface, cement concrete curbs and gutters.

HOLTVILLE, Imperial Co., Cal.—The City Trustees have instructed City Engineer Wade to prepare plans for paving the following residential streets: Sixth St., Fern to Chestnut Ave., 32 ft. wide; Seventh St., Myrtle to Orange Ave., 32 ft. wide; and Orange to Maple 20 ft. wide; Palm Ave., 20 ft. wide; Pine Ave., Sixth to Eighth 20 ft. wide; Oranges Ave. Sixth to Seventh, 32 ft. wide; Holt Ave., Sixth to Ninth, 20 ft. wide and Ninth to north city limits 16 ft. wide.

DIXON, Solano Co., Cal.—The City Trustees are planning the installation of an electrolizer system, the estimated cost of which is \$5,000.

SACRAMENTO, Cal.—The City Commissioners, M. J. Desmond, City Clerk, have passed resolutions of intention providing for the improvement of the alley between 27th and 28th streets, from the south line of Y, by excavating and constructing an 8-inch vitrified, ironstone pipe sewer with 20 six-inch vitrified, ironstone Y branches and one flusher branch, and one concrete manhole with cast iron curb and cover, improving the easement through the east boundary of Urban Court from lot 43 to lot 27 by excavating, constructing an eight-inch vitrified, ironstone pipe sewer with 19 six-inch vitrified, ironstone Y branches, 2 concrete manholes with cast iron curbs and covers.

A resolution has also been passed providing for the improvement of San Fernando Way from the south line of Y street to sewer in place in 2nd ave-

nue, by excavating and constructing an 8-inch vitrified, ironstone pipe sewer with 34 six-inch vitrified, ironstone Y branches and one 6-inch vitrified, ironstone flusher branch, and the construction of two concrete manholes with cast iron curbs and covers.

MARTINEZ, Contra Costa Co., Cal.—Following low bids were received by the City Trustees for paving Talbair, High and Main streets:

Municipal Improvement Co., \$82,673.00
Ransome Randall Co., \$78,714.39
The low bid exceeds the engineer's estimate by \$7,409.39. The bids were taken under advisement. Other firms submitting bids were: Paul & Sayles, W. J. Schmidt, O'Brien Bros. and Clark & Henery Constr. Co.

SAN DIEGO, Cal.—The following bids were received by the Supervisors for 380 bbls. cement and 23,600 lbs. reinforcing steel for the Jacumba bridge: Cement—S. S. Schrim Commercial Co., Victor cement, \$2.64 bbl. gross, f. o. b. Victorville; Spreckels Bros. Commercial Co., Riverside cement, \$2.65 f. o. b. Crestmore; Jos. M. Kendall, Colton cement, \$2.70 f. o. b. Colton. Steel—Western Metal Supply Co., \$940; Pacific Coast Steel Co., \$1,164; American System of Reinforcing, Inc., \$969 plus 6 per ton for bending and \$15 ton for stirrups.

SANTA BARBARA, Cal.—Fairchild-Gilmore-Wilton Co., Pacific Electric Bldg., Los Angeles, was awarded the contract at \$19,771.58 for paving portions of Santa Barbara and Arrellaga streets with 4-in. concrete base and 1½ in. Warrentite surface and 5½-in. Warrentite and constructing combined cement curb and gutter, concrete drives and 6-in. sewer connections. Bryant & Austin, Inc. submitted the only other bid at \$20,649.05.

TAFT, Kern Co., Cal.—The Romanite Paving Co. (Degman and Shirk) of Bakersfield, was awarded the contract for paving Fourth street from Main to Kern streets at 3¼c sq. ft. for grading; 2¼c sq. ft. for Romanite paving with 3¼-in. base and 1½-in. surface, 75c lin. ft. for cement curb; 28c sq. ft. for cement sidewalks and 21c sq. ft. for concrete gutters. Edward M. Lynch, Central Bldg., Los Angeles, City Engineer, (28048) 1st report June 13, 1919. E

WHITTIER, Los Angeles Co., Cal.—Until 2 P. M., January 5, 1920, bids will be received by the City Trustees for furnishing 2400 tons of 4 to 24-in. cast iron water pipe, and fittings and for the necessary boilers, pumps and electric generators for pumping domestic water to the city of Whittier and generating 200 K. W. electric current. Alternate bids will be taken for electrically driven centrifugal pumps. Certified check for 5% required. Forms of proposal, contract and bonds and copies of specifications may be obtained from J. B. Lippincott, engineer, Central Bldg., Los Angeles, or from the city trustees. C. L. Trueblood, city Clerk. Following are the approximate quantities of pipe: 5156 ft. 20-in. or 24-in. Class C; 4997 ft. 20-in. or 24-in. Class B; 3156 ft. 16-in.; 2391 ft. 14-in.; 1476 ft. 12-in.; 4339 ft. 10-in.; 11,023 ft. 8-in.; 14,599 ft. 6-in. and 6755 ft. 4-in. Class B; 36,92 tons fittings. Bids will

be taken on three propositions for pumping and generating plant as follows: Prop. 1.—One 12x36-in. high-duty cross-compound double acting crank and flywheel pumping engine; two 150 H. P. water tube boilers and on 200 K. W. steam turbine generator. Prop. 2.—One 12x36-in. high-duty pump as in Prop. 1 and two 150 H. P. water tube boilers. Prop. 3.—Two direct connected 2200 G. P. M. centrifugal pumps and motors.

GLENDALE, Los Angeles Co., Cal.—The \$260,000 bond election carried November 12. The funds will be expended by the water and light departments as follows: New pumping plant with two wells and pump for each and large booster pump at San Fernando Road and Grand View Ave., cost, \$33,500; new 40-inch trunk line from Doran St. to entrance to Verdugo Canyon, cost, \$35,000; 7,500,000 gallon reservoir at entrance to Verdugo Canyon, cost, \$40,000; new 20-inch pressure main from reservoir to about the middle of Verdugo Canyon, cost, \$34,800; row of wells across the middle of Verdugo Canyon to bed rock, with pumps to raise water to a small reservoir or settling basin, cost, \$32,000; 16-inch pressure main from main pumping plant to Grand View Ave., cost \$19,000; reservoir at Grand View Ave., cost \$8,000; pumping plant at Grand View reservoir, cost, \$3,000; 5 miles of new water mains and laterals, cost \$34,250; electric generating plant at Verdugo Canyon reservoir, with 100 kilowatt generator driven by Pelton wheel, cost \$9,700; purchase of additional gravity water shares, \$10,000.

SACRAMENTO, Cal.—The City Commissioners, M. J. Desmond, City Clerk, has awarded a contract to J. W. Terrell, 111 29th street, Sacramento, for the improvement of the alley between 38th and 39th streets from the manhole in P street to a point 670 feet south by excavating a trench and constructing an 8-in. vitrified ironstone sewer with 26 6-in. vitrified ironstone wye branches and one 6-in. vitrified ironstone flusher branch complete and one concrete manhole with cast iron curb and cover.

INGLEWOOD, Los Angeles Co., Cal.—Thomas Haverly Co., Los Angeles, submitted the lowest bid at \$55,369 for furnishing and laying mains for the municipal water system, pipe to be laid with cement joints. Mike Murphy of San Francisco, submitted the lowest bid at \$56,631, pipe to be laid with lead joints. The bids were taken under advisement by the City Trustees until December 1. The \$210,000 bonds voted to acquire the existing water systems and for extensions and improvements were sold to W. A. Staats Co. at a premium of \$11,500. Olmsted & Gilelen, Hollingsworth Bldg., Los Angeles, engineers. Following are the bids for furnishing and laying pipe:

Thos. Haverly Co.—13,000 ft. 4-in. Class A pipe, \$1.27 ft. for cement joints, \$1.33 for lead joints; 9825 ft. 6-in. Class A pipe, \$1.86 cement, \$1.96 lead; 4150 ft. 8-in. Class A pipe, \$2.41 cement, \$2.51 lead; 4-in. valves \$25.60; 6-in., \$39.38; 8-in., \$54.98; 2-in. \$17; 3-in. \$24.15; 4-in. \$33.75; 6-in., \$51.21; 4-in. fire hydrants on new mains, \$66.17; 6-in., \$77.84; 4-in. on old mains, \$88.75; totals, \$55,369 cement joints; \$57,160 lead joints.

Mike Murphy—4-in. pipe, \$1.33; 6-in.,

\$1.80; 8-in., \$2.60; bids on lead joints, only; 4-in. valves, \$24; 6-in., \$40; 8-in., \$70; 2-in., \$22; 3-in., \$26; 4-in., \$30; 6-in., \$41; 4-in. hydrants on new mains, \$70; 6-in., \$70; 4-in. on old mains, \$90; total, \$56,631.

Rogers Bros. Co.—4-in. pipe, \$1.36 cement, \$1.48 lead; 6-in., \$1.98 cement, \$2 lead; 8-in., \$2.51 cement, \$2.54 lead; 4-in. valves, \$30; 6-in., \$42; 8-in., \$58; 2-in., \$26; 3-in., \$32; 4-in., \$35; 6-in., \$47; 4-in. hydrants, new mains, \$81; 6-in., \$81; 4-in. old mains, \$81; totals, \$60,184 cement joints, \$60,715 lead joints.

PHOENIX, Ariz.—The Maricopa Co. Highway Commission will be ready to advertise for bids for construction work shortly after January 1, 1920. Standard types of permanent roads including crushed rock with bituminous surface, asphaltic concrete and cement concrete will be built. Contracts will be let in big units to obtain the most effective competition and low construction costs. One hundred miles of road surveyed must be relocated in order to provide for more economical construction. These points were brought out at a conference between the commission and representatives of various cities in Maricopa County. The commission promises to build the largest mileage possible under the \$4,000,000 bond issue.

STOCKTON, San Joaquin Co., Cal.—County Engineer Quail has been instructed to prepare plans for the improvement of portions of the J. A. Shepherd and L. W. Howland roads.

Eugene D. Graham is County Clerk.

BERKELEY, Alameda Co., Cal.—The City Council, A. G. Briggs, City Clerk, has passed a resolution of intention, No. 389 N-S, providing for the improvement of Allston Way from the east line of Fulton street northerly, east to the center line of Orford street, south $\frac{1}{2}$ of Allston Way from the center line of Oxford street east to Dana street by constructing concrete curbs and gutters and paving with a 1-inch asphaltic wearing surface; 2-inch asphaltic binder course and a 5-inch concrete base course.

LOS ANGELES, Cal.—Rogers Bros. Co. submitted a bid of \$86,400 for grading and paving 2,057 m. of road from Pomona Blvd. south to Orange Grove Ave. in North Whittier Heights, in Road Improvement District No. 146. The Fleming Construction Co. of Pomona submitted the only other bid at \$92,000. The work involves 13,735 cu. yds. earth excavation, 33,905 sq. yds. 5-in. concrete paving, 10,864 lin. ft. shaping roadbed, 12,560 lin. ft. cement curb 6x10x19 in., 760 cu. yds. Class A concrete for drain ditch and spillway, 412 ft. corrugated metal pipe culvert, 920 lin. ft. standard guard fence, and 12,262 lbs. reinforcing steel; average haul 1.3 miles from Hartville on Salt Lake Railway, and 3 miles from Puente.

SANTA CRUZ, Santa Cruz Co., Cal.—Following bids were received by the County Supervisors for furnishing and delivering highway materials for use on the county highway system:

For furnishing 3,870 bbls. of Portland cement, more or less,
Pacific Portland Cement Co., \$2.94

per bbl. f. o. b. Santa Cruz and \$3.13; per bbl. f. o. b. other Santa Cruz County Points. The bid of the Pajaro Valley Mercantile Company was identical to that of the Pacific Portland Cement Company's bid.

Old Mission Portland Cement Co., Mills Bldg., San Francisco, The Santa Cruz Portland Cement Co., and the Henry Cowell Lime & Cement Co. each submitted a bid of \$2.93 per bbl. f. o. b. Santa Cruz and \$3.12 per bbl. f. o. b. other points.

All five bidders allow 15c per sack on return of the empties. All bids payable 30 days net or five cents per bbl. allowed within 10 days, cash discount.

For furnishing and delivering 2100 tons of sand, more or less:

Bay Development Co., \$1.10 per ton f. o. b. Santa Cruz or 60c per ton f. o. b. Lapis, Monterey County.

California Building Material Co., \$1.35 per ton and 4,300 tons of gravel together.

E. B. & A. L. Stone, \$1.00 per ton.

For 4,300 tons, more or less, granite or basalt rock:

California Building Material Co., \$1.87 per cu. yd. for gravel.

Granite Rock Co., 65c per ton on crushed rock or 50c per ton additional, delivered at Santa Cruz.

All bids were taken under advisement. H. H. Miller is County Clerk.

FIRE EQUIPMENT

VALLEJO, Solano Co., Cal.—Three bids were received by the City Council, Alf Edgumbe, City Clerk, for furnishing and delivering new fire truck:

American La France Fire Engine Co. with chemical equipment, \$12,000; without chemical equipment, \$11,500.

Seagrave Co. submitted the same bid as the American La France Co.

The Stulz Co., with chemical, \$11,000 without, \$10,500.

All bids were taken under advisement.

ASSISTANT COUNTY HIGHWAY ENGINEER APPOINTED.

YUBA CITY, Sutter Co., Cal.—The Board of Supervisors has selected C. W. Lauzendorf to act as assistant to County Engineer Edward Von Geldern during the building of the county highway system. Lauzendorf is to receive \$200 a month.

IRRIGATION DISTRICT PLANNED.

YREKA, Siskiyou Co., Cal.—The Board of Supervisors has granted a petition to form the Shasta Irrigation District, signed by eighty-four landowners, the district embracing 10,000 owners.

The petitioners now will take the matter up with State authorities for approval before calling an election to vote bonds of \$600,000.

HARBOR SITE FOR REDWOOD CITY ACCEPTED.

REDWOOD CITY, San Mateo Co., Cal.—The City Trustees have accepted the offer of the S. H. Frank & Co. to donate holdings at the foot of Main street for a municipal wharf.

Efforts are being made by the local Chamber of Commerce to have the harbor completed before 1921.

CONTRACTS AWARDED

Liens, Acceptances, Etc.

BUILDING CONTRACTS

San Francisco County

2596	Johnson	Owner	10900
2617	Baker	Andrews	6500
2618	Y. M. C. A.	Forbes	2700
2619	Great Western	Owner	1500
2620	Schluter Mer	Fink	4000
2621	Nelson	Owner	3000
2622	Lincoln	Cahen	1000
2623	Batti	Cuneo	900
2624	Sherman	Owner	1000
2625	Koerber	Otten	20000
2626	Callan	Campbell	681
2627	Lippitt	Long	550
2628	Bone	Prout	937
2629	Bone	Wienholz	948
2630	West. States	Morehouse	1300
2631	Kittie	Grimes	16000
2632	Alfred	Alfred	4200
2633	Liebes	Liebes	21000
2634	Mission Ter	Lewis	3350
2635	Hatzis	Grace	900
2636	Sullivan	Swenson	950
2637	Tonningson	Barrett	20927
2638	Zeile	Walker	2113
2639	R C Archb.	Vermont Mbl	87750
2640	Frnch Hspdl	Franceschini	1175
2641	Francis	Pac Elev	2825
2642	Cranz	Ahl	600
2643	Steiger	Pattinson	1175
2644	Weissbein	Owner	2950
2645	Arata	Owner	1000
2646	Hesser	Spargo	12773
2647	Webster	25000	
2648	Urban	Duncan	5400
2649	Same	Same	5800
2650	Fisher	Fisher	4000
2651	Schubert	Atras	1550
2652	Kanze	Denke	700
2653	O'Connor	Bjorkman	13972
2654	Tonningson	Barrett	21163
2655	Mariani	G G Iron	1200
2656	Same	Same	13559
2657	Same	Pasqualetti	33983
2658	Willits	Healy	10156
2659	Skelly	Anderson	27095
2660	Brown	Healing	1800
2661	Brown	Healing	1600
2662	Matasas	Drayvillas	500
2663	Marshall	Prout	10000
2664	Nelson	Owner	11000
2665	Nelson	Owner	6000
2666	Kingwell	Kingwell	13800
2667	Person	Owner	2700
2668	Zwillinger	Zoss	1500
2669	Bare	Salanave	4900
2670	West Shore	Ufer	850
2671	Griffin	Anderson	500
2672	Sommer	Levi	1000
2673	Hiadik	Reliable	7300
2674	Trivisan	Hantzschke	5890
2675	Mission Ter.	Lewis	3350
2676	De Leavaga	Colman	35000
2677	Inberg	Inberg	4000
2678	Rulfs	Peterson	1500
2679	United Cigar	Martin	2000

ALTERATION

(2617) NO. 2911 BAKER. Alter one story of present building into six 2-room apartments.
Owner—F. Baker, Fort Scott, Cal.
Architect—None.
Contractor—Chas Andrews, 1825 Ellis, San Francisco.

COST, \$6500

(2618) NW GOLDEN GATE & Leaveworth. Erect support for curb and sidewalk.
Owner—Young Men's Christian Association, Premises.

Architect—None.
Contractor—A. J. H. Forbes, 1050 Monadnock Bldg., S. F.

COST, \$2700

BUILDING

(2619) SW LOMBARD & SANSONE. One-story steel transformer house.
Owner—Great Western Power Co., 14 Sansone, San Francisco.

Architect—None.
COST, \$1500

(2620) NO. 2746 MISSION. Change front; erect one-story brick storage room.
Owner—Schluter Mercantile Co., Prem. Architect—None.
Contractor—Fink & Schindler, 226 13th St., San Francisco.

COST, \$4000

DWELLING

(2621) NE WAWONA & 14th Ave. Two-story and basement frame dwelling.
Owner—F. Nelson & Sons, 2 West Portal Park, San Francisco.
Architect—None.
Contractor—Owner.

COST, \$3000

ALTERATION

(2622) SE FIFTH & Market. Change front; erect mezzanine floor.
Owner—Lincoln Realty Co., Mills Bldg., San Francisco.
Architect—None.
Contractor—Joseph Cahen, 333 Kearny St., San Francisco.

COST, \$1000

ALTERATION

(2623) N MAYNARD 200 E Congdon. Raise dwelling; alter and repair.
Owner—A. Battl, 217 Maynard, San Francisco.
Architect—None.
Contractor—John P. Cuneo, 5079 Mission, San Francisco.

COST, \$900

STAIRS & PARTITIONS

(2624) NO. 1854 VALLEJO. Erect stairs, partition for residence.
Owner—A. G. Sherman, 338 Taylor, San Francisco.
Architect—None.
Contractor—Owner.

COST, \$1000

ALTERATION

(2625) SE ELLIS and Divisadero. Alter present 3-story frame flats into 12 apartments.
Owner—Saphio Koerber, 2100 Pacific Ave., San Francisco.
Architect—John F. Beuttler, 110 Sutter St., San Francisco.
Contractor—H. P. Otten, 555 25th Ave., San Francisco.

COST, \$20,000

REPAIRS

(2626) NO. 3320-22 CLAY ST., Repair fire damage to flats.
Owner—E. J. Callan, 1916 Broderick, San Francisco.
Architect—None.
Contractor—Mark Campbell & Son, 1709 Turk, San Francisco.

COST, \$621

ADDITION

(2627) NO. 2221 PACIFIC AVE. Addition for bed room.
Owner—Mr. Lippitt, Premises.
Architect—None.
Contractor—Wm. Long, 2304 Fillmore, San Francisco.

COST, \$550

RESIDENCE

(2628) LOTS 11 AND 12, BLK. 7, Forest Hill. All work except shades, finish hardware, light fixtures, water heater, hot air furnace, wall paper and plumbing for a two-story frame residence and one-story garage.
Owner—Raymond H. Bone, 1070 Post St., San Francisco.
Architect—Walter C. Falch, Hearst Bldg., San Francisco.
Contractor—J. Prout, 2020 Turk St., San Francisco.

Filed Dec. 1, '19. Dated Nov. 29, '19.
Brown coated 2484
Completed and accepted 2484
Usual 35 days 2485

Bond, Sureties, none. TOTAL COST, \$9937
Architect—None. Forfeit, \$5. Limit, 100 days. Plans and specifications filed.

Note: Application for building permit also filed.

PLUMBING, ETC.

(2629) PLUMBING, DRAINAGE, GAS fitting on above.
Contractor—N. George Wienholz, 3508 Mission, San Francisco.
Filed Dec. 1, '19. Dated Nov. 29, '19.
Roughing in completed \$856
Completed and accepted 355
Usual 35 days 237

TOTAL COST, \$948
Bond, Sureties, none. Forfeit, \$5. Limit, 100 days. Plans and specifications filed.

METAL FURRING, ETC.

(2630) SE MARKET AND SIXTH. Metal furring, lathing, plastering and ornamental work for remodeling David Hewes Building (2nd floor).
Owner—Western States Life Insurance Company, Premises.
Architect—Reid Bros, 105 Montgomery St., San Francisco.

Contractor—C. C. Morehouse, 872 Folsom, San Francisco.
Filed Dec. 1, '19. Dated Nov. 26, '19.
On completion 75%
Usual 35 days 25%

TOTAL COST, \$1300
Bond, \$650. Surety, United States Fidelity & Guaranty Co., Limit, Jan. 13, 1920. Forfeit, \$20. Plans and specifications filed.

REPAIRS

(2631) NW CALIFORNIA AND FRONT. Repair for stores and offices where damaged by fire.
Owner—Kittie Estate, by Bessie K. Taylor, Agent, 29 Glen Alpine, Piedmont.
Architect—None.
Contractor—Grimes & Drew, 134 Battery St., San Francisco.

COST, \$16,000

DWELLINGS

(2632) N TARAVAL 166, 200, 235, 270, 315, 350 and 385 E Cortes. Seven two-story and basement frame dwellings.
Owner—C. S. Allra, 150 Onondago Ave., San Francisco.
Architect—None.
Day's work. COST, \$6000 each

ADDITION

(2633) S POST 60 E Grant Ave. Add 55x60 on roof for store and shop.
Owner—H. Liebes & Co., Premises.
Architect—Wm. Mooser, Monadnock Bldg., San Francisco.

COST, \$21,000

DWELLING

(2534) S SANTA YNEZ 70 E Otsego. One-story and basement frame dwlg.
Owner—Mission Terrace Co., 318 Kearny St., San Francisco.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Contractor—H. C. Lewis, 68 Post St., San Francisco.

COST, \$3350

ROOF

(2635) NO. 1136 O'FARRELL. New tar and gravel roof.
Owner—Mrs. Hatzis, 1274 O'Farrell St., San Francisco.
Architect—None.
Contractor—John T. Grace, 1031 Rhode Island, San Francisco.

COST, \$900

RUNWAY

(2636) NOS. 301-305 GOLDEN GATE AVE. Erect runway from 1st to 2nd floor for auto salesrooms.
Owner—Walter Sullivan, 129 Sutter St., San Francisco.
Architect—None.

Contractor—Swenson & Franzen, 145 Natoma St., San Francisco.

COST, \$950

WAREHOUSE

(2637) W HOWARD 257-7½ S 12th. One-story brick warehouse. Owner—John Tonningson, 310 California, San Francisco. Architect—T. Paterson Ross, 310 California, San Francisco.

Contractor—Barrett & Hilt, Sharon Bldg., San Francisco.

COST, \$20,927

(2638) NW SANOME and Lombard, 137-6x27½. Roof over driveway, two skylights and place steel girders over gates, etc.

Owner—Edward G. Zelle, 1501 Sansome, San Francisco.

Architect—None.

Contractor—G. H. & S. Walker, 2194 Union, San Francisco.

Filed Dec. 2, '19. Dated Nov. 28, '19.

On completion \$1584

Usual 35 days 528

TOTAL COST, \$21,372

Bond, \$1070. Sureties, Wm. H. Chapman and C. W. Reguart, forfeit, none. Limit, none. Specifications only filed.

MARBLE WORK

(2639) HOLY CROSS CEMETERY, Colma. Interior marble work for community mausoleum.

Owner—The Roman Catholic Archbishop of San Francisco, 1100 Franklin, San Francisco.

Architect—Western States Mausoleum Co.

Contractor—The Vermont Marble Co., 244 California, San Francisco.

Filed Dec. 2, '19. Dated Nov. 25, '19.

On 10th of each month 75%

Usual 35 days 25%

TOTAL COST, \$87,750

Bond, Sureties, forfeit, none. Limit, 5 months after March 1, 1920. Plans and specifications filed.

PAINTING

(2640) FIFTH AVE. and Geary. Painting at French Hospital.

Owner—French Hospital, Premises.

Architect—None.

Contractor—Francoise Franceschini.

Filed Dec. 2, '19. Dated Nov. 18, '19.

At completion \$1175

TOTAL COST, \$1175

Bond, \$117.50. Surety held by owner as bond. Forfeit, none. Limit, 30 days. Specifications only filed.

ELEVATOR

(2641) LOCATION —. One 2nd hand Otis elevator.

Owner—D. Francis, (French Bank Building).

Architect—Mr. Fabre, care French Bank Building.

Contractor—Pacific Elevator & Equipment Co., 1129 Howard, S. F.

Filed Dec. 2, '19. Dated Nov. 5, '19.

On signing contract \$ 750

On completion 1365

Usual 35 days 710

TOTAL COST, \$2825

Bond, Sureties, forfeit, none. Specifications only filed.

STOES

(2647) S BUSH 68-6 E Powell. One-story and basement brick stores.

Owner—Geo. A. Webster, 142 Drumm St., San Francisco.

Architect—Edw. T. Foulkes, 1106 Crocker Bldg., San Francisco.

COST, \$25,000

DWELLING

(2648) SW ASHTON and HEAD. One and one-half-story and basement frame dwelling.

Owner—Urban Realty Improvement Co., 85 Cerritos Ave., San Francisco.

Architect—Harold G. Stoner, 85 Cerritos Ave., San Francisco.

Contractor—W. C. Duncan & Co., 85 Cerritos Ave., San Francisco.

COST, \$5400

DWELLING

(2649) NW HEAD and ASHTON Ave. One and one-half-story and basement frame dwelling.

Owner—Urban Realty Improvement Co., 85 Cerritos Ave., San Francisco.

Architect—Harold G. Stoner, 85 Cerritos Ave., San Francisco.

Contractor—W. C. Duncan & Co., 85 Cerritos Ave., San Francisco.

COST, \$5890

ALTERATIONS

(2650) SW MONTGOMERY AND SACRAMENTO. Erect partitions on 2nd and 3rd floors; enlarge fire escapes and cut in 4 windows.

Owner—M. Fisher, 687 Mission St., San Francisco.

Architect—E. Holman, 687 Mission St., San Francisco.

COST, \$4000

CONCRETE WALLS

(2651) S SIXTEENTH 100 W Mission. Concrete wall to hold up sidewalk.

Owner—C. Schubert, 35 Hoff Ave., San Francisco.

Architect—None.

Contractor—Adam Arras, 65 Hoff Ave., San Francisco.

COST, \$1550

GARAGE

(2652) NO. 778 TURK (rear). One-story frame garage.

Owner—A. Kanze, 251 Post St., S. F.

Architect—None.

Contractor—E. H. Denke, 1317 Hyde St., San Francisco.

COST, \$700

APARTMENTS

(2653) E JULIAN AVE 125 N Sixteenth. Two-story and basement frame (6 3-room) apartments.

Owner—Mrs Nellie O'Connor, 179 Julian Ave., San Francisco.

Architect—A. Jackson, San Jose.

Contractor—John Bjorkman, 51 Seville, San Francisco.

COST, \$13,972

WAREHOUSE

(2654) W HOWARD 256-7½ SW 12th SW 147-9½ NW 108-6 N 12 deg 33 min 24 sec E 178-6½ SW 170-9½ SE 128-9. All work for one-story brick warehouse.

Owner—John Tonningson.

Architect—T. Paterson Ross, 310 California, San Francisco.

Contractor—Barrett & Hilt, Sharon Bldg., San Francisco.

Filed Dec. 4, '19. Dated Dec. 2, '19.

Brick walls ready for roof trusses \$5000

Roof on 5000

Completed and accepted 5581

Usual 35 days 1581

TOTAL COST, \$21,181

Bond, \$10150. Sureties, Albert Lachman and J. T. Casey. Limit, 60 days.

Forfeit, none. Plans and specifications filed.

NOTE—Permit reported December 3, No. 2637.

ORNAMENTAL IRON

(2655) W MISSION 263-0½ S 29-6 S 66-2 W 74 S 42-9 W 25-8 S 14-10 W 60-3 N 123-9 E 160 and strip 8 feet wide on N bdy above 116-11 W Mission N 26-9½ NW 29 to pt and r of w over strip 8 feet wide along N side of 1st above described. All work for ornamental iron for theatre building.

Owner—Stephen Mariani, 2881 23rd St., San Francisco.

Architect—Reid Bros., 105 Montgomery St., San Francisco.

Contractor—Golden Gate Iron Works, 1541 Howard St., San Francisco.

Filed Dec. 14, '19. Dated Nov. 29, '19.

On completion 1581

Usual 35 days 25%

TOTAL COST, \$1200

Bond, \$600. Sureties, Eva Hoffman and Kate Hoffman. Forfeit, \$25. Limit, 15 days after building ready. Plans and specifications filed.

NOTE—Permit reported Nov. 22d, No. 2543.

ALTERATIONS

(2642) NE EDDY and Larkin. New front, repair walls and floors of drug store.

Owner—Louis Cranz, 762 Lincoln Ave., San Francisco.

Architect—None.

Contractor—G. E. Ahl, 1237 2nd Ave., San Francisco.

COST, \$600

FLOOR

(2643) SE FOLSOM and 18th. Wood floor in store room.

Owner—Steiger & Kerr, 2201 Folsom, San Francisco.

Architect—None.

Contractor—J. Pattinson, 925 The Alameda, Berkeley.

COST, \$500

(2644) SW GEARY and 12th Ave. One-story frame battery service station.

Owner—Jacob Weisbach, Hobart Bldg., San Francisco.

Architect—H. C. Baumann, 251 Kearny St., San Francisco.

COST, \$2950

ALTERATION

(2645) NO. 2191 SAN JOSE AVE. Remove partitions to enlarge rooms.

new stairs, baths, porches, electric and plumbing work, painting and

lath and plastering.

Owner—Paul Arata, Premises.

Architect—None.

COST, \$1000

MACHINE SHOP

(2646) N POST 77-6 E Hyde E 30xN 137-6. All work for a one-story brick building (machine shop).

Owner—Lilly Hesser, San Leandro, Calif.

Architect—Mel I. Schwartz, 1202 Nevada, San Francisco.

Contractor—John Sargo, 240 Montgomery, San Francisco.

Filed Dec. 3, '19. Dated Dec. 3, '19.

Concrete foundation in \$13,925

Tar and gravel roof on 3193.25

Completed and accepted 3193.25

Usual 35 days 3193.25

TOTAL COST, \$17,733

Bond, \$6385.50. Sureties, E. P. Shortall and H. O. Hayden. Forfeit, none. Limit, 60 days. Plans and specifications filed.

(2556) FABRICATION & ERECTION

of steel on above.

Contractor—Golden Gate Iron Works, 1541 Howard St., San Francisco.

Filed Dec. 4, '19. Dated Nov. 29, '19.

Same as above.

TOTAL COST, \$13,559

Bond, \$6780. Sureties, Kate and Eva Hoffman. Forfeit, \$25. Limit, 70 days. Plans and specifications filed.

EXCAVATION ETC.

(2657) EXCAVATION, CONCRETE, carpentry, mill, hardware, painting, and glass work on above.

Contractor—G. B. Pasqualetti, 32 Harwood St., San Francisco.

Filed Dec. 10, '19. Dated Nov. 20, '19.

On 7th of each month 75%

Usual 35 days 25%

TOTAL COST, \$23,825

Bond, \$17,000. Sureties, M. C. Bricca and A. Laiolo. Forfeit, \$20. Limit, as required. Plans and specifications filed.

DRIVING PILES

(2658) COM. 29-9 S ISLAIS and 370 E 3rd S 100x E 100. All work of driving 276 piles.

Owner—Willits & Patterson, 1 Drum St., San Francisco.

Engineer—C. A. Watts, 24 California St., San Francisco.

Contractor—Healy-Tibbitts Construction Co., 9 Main St., San Francisco.

Filed Dec. 4, '19. Dated Dec. 4, '19.

5 days after certificate of approval 75%

Usual 35 days 25%

TOTAL COST, \$10,156.80

Bond, \$4000. Sureties, National Surety Co. Forfeit, none. Limit, 20 days. Plans and specifications filed.

EXCAVATION ETC.

(2559) SE GOLDEN GATE AVE. and Larkin 42-8x8 137-6. All work of excavation, concrete, cement, carpentry and mill, glass, glazing and hardware for class C store building.

Owner—Skelly Estate Co., 68 Post St., San Francisco.

Architect—Matthew O'Brien, 68 Post St., San Francisco.

Contractor—Anderson & Ringrose, 320 Market, San Francisco.

Filed Dec. 19, '19. Dated Dec. 2, '19.

On or before 10th of each mo. 75%

Usual 35 days 25%

TOTAL COST, \$27,095

Bond, \$27,095. Sureties, S. W. McGee, bank and Mary E. Ringrose. Forfeit, \$26. Limit, 120 days. Plans and specifications filed.

NOTE—Permit reported Nov. 29th; No. 2607.

STEPS, ETC.

(2560) SE BALBOA and 3rd Ave. Erect terrace steps, cement basement floor, papering, tinting, etc., for private garage and dwelling.

Owner—A. A. Brown, 425 Kearny St., San Francisco.
 Architect—W. H. Crim, Jr., 425 Kearny St., San Francisco.
 Contractor—George Healing, 3665 Sacramento, San Francisco.
 COST, \$1,600

GARAGE
 (2661) NE HALEBOA and 3rd Ave. One-story frame (private) garage.
 Owner—A. A. Brown, 425 Kearny St., San Francisco.
 Architect—W. H. Crim, Jr., 425 Kearny, San Francisco.
 Contractor—George Healing, 3665 Sacramento, San Francisco.
 COST, \$1,600

ALTERATION
 (2662) NO. 116 ELLIS St. Change front, etc., for lunch counter.
 Owner—J. Matsas, 108 East St., San Francisco.
 Architect and Contractor—James Dravillas, 27 3rd, San Francisco.
 COST, \$50

RESIDENCE
 (2663) LOT 9, BLK. 7, FOREST HILL, San Francisco.
 Two-story and basement frame residence.
 Owner—Regina Marshall, Forest Hill, San Francisco.
 Architect—Wm. E. Millwain, Albany Block, Oakland, Calif.
 Contractor—J. Prout, 2020 Turk, San Francisco.
 COST, \$10,000

DWELLING
 (2664) SW MIRAMAR and Wildwood. One-story and basement frame dwelling.
 Owner—Nelson Bros., 1375 Plymouth Ave., San Francisco.
 Architect—Chas. Strothoff, 2276 15th, San Francisco.
 Day's work. COST, \$11,000

DWELLING
 (2665) W PLYMOUTH AVE. 118-6 S Wildwood. One-story and basement frame dwelling.
 Owner—Nelson Bros., 1375 Plymouth Ave., San Francisco.
 Architect—Chas. Strothoff, 2276 15th, San Francisco.
 Day's work. COST, \$6,000

DWELLINGS
 (2666) W PLYMOUTH 126 and 396 S Montecito. Two one-story and basement frame dwellings.
 Owner—John J. Kingwell, Butler Bldg., San Francisco.
 Architect—Chas. Strothoff, 2276 15th, San Francisco.
 Contractor—Kingwell Bros., 444 Natoma St., San Francisco.
 COST, \$6,900 each

DWELLING
 (2667) S ROLPH 30 W Morse. One-story and basement frame dwelling.
 Owner—Martin Person, 200 London, San Francisco.
 Architect—None.
 Day's work. COST, \$2,700

ALTERATION
 (2668) E SEVENTEENTH AVE. 260 S Clement. Raise, alter and repair dwelling.
 Owner—Mrs. Ida Zwilling, 247 17th Ave., San Francisco.
 Architect—None.
 Contractor—Benjamin Zoss, 787 Hayes, San Francisco.
 COST, \$1,500

ALTERATIONS
 (2669) NO. 314 Sutter. Erect mezzanine floor, button lath and plastering, etc.
 Owner—Bare Bros., 255 Geary, San Francisco.
 Architect—Vard & Blohme, 451 California, San Francisco.
 Contractor—J. Salanave, 931 Pacific, San Francisco.
 COST, \$4,690

REPAIRS
 (2670) NO. 3118 SIXTEENTH ST. Repair interior of billiard room (fire damage).
 Owner—West Shore Land Co., 245 Montgomery, San Francisco.
 Architect—None.

Contractor—Chas E. Urfer, 134 Haight, San Francisco.
 COST, \$850

ALTERATION
 (2671) E VALENCIA 260 N 22nd. New front for store, elect. work, etc.
 Owner—Frank Griffin, 1051 Valencia, San Francisco.
 Architect—None.
 Contractor—T. Anderson 56 Fair Oaks, San Francisco.
 COST, \$500

ALTERATION
 (2672) NO 121 GRANT AVE. Change Manila St. front, extend mezzanine floor.
 Owner—Sommer & Kaufmann, Prem. Architect and Contractor—S. Levi, 243 7th St., San Francisco.
 COST, \$1,000

RECORDED.
PLUMBING ETC.
 (2673) S PINE 60 W Stockton 50x100. All work for plumbing, gas fitting for a 3-story frame apartment Bldg.
 Owner—Anna Hladik.
 Architect—J. C. Hladik, Monadnock Bldg., San Francisco.
 Contractor—Reliable Plumbing and Heating Co.
 Filed Dec. 5, '19. Dated Nov. 14, '19. On 1st and 15th of each mo. 1%
 Usual 35 days 25%
 TOTAL COST, \$7,300
 Bond, Sureties, Forfeit, none. Limit, 90 days. Plans and specifications filed.

STORE BLDG.
 (2674) SE CLEMENT and 32nd Ave. E 24xS 100. All work for one-story frame store building.
 Owner—Domenico Trevisan 3043 Clement, San Francisco.
 Architect—Chas. Fantoni, 550 Montgomery, San Francisco.
 Contractor—G. M. Hantsche, 528 31st Ave., San Francisco.
 Filed Dec. 5, '19. Dated Nov. 22, '19. Enclosed and roofed \$1472.50
 Brown coated 1472.50
 Completed and accepted 1472.50
 Usual 35 days 1472.50
 TOTAL COST, \$5,890
 Bond, \$2945. Sureties, H. J. Kessel & St. San Francisco.
 Filed Dec. 5, '19. Dated Nov. 25, '19. Plans and specifications filed.

BUNGALOW
 (2675) SANTA YNEZ S 70 E Otsego, being lot 3, Blk. N, Mission Terrace. All work for a one-story frame bungalow.
 Owner—Mission Terrace Co., 318 Kearny, San Francisco.
 Architect—H. C. Baumann, 251 Kearny St., San Francisco.
 Contractor—H. C. Lewis, 68 Post, San Francisco.
 Filed Dec. 4, '19. Dated Nov. 29, '19. Enclosed \$37.50
 Brown coated \$37.50
 Completed and accepted \$37.50
 Usual 35 days \$37.50
 Bond, \$1675. Sureties, Myer Friedman and E. H. Peterson. Forfeit, none. Limit, 90 days after Nov. 26. Plans and specifications filed.

FACTORY
 (2676) NW FRANKLIN and FELL. One-story concrete factory.
 Owner—De Levea Estate Co., 244 California, San Francisco.
 Plans by Owners.
 Contractor—E. L. Collman, 110 Jessie, San Francisco.
 COST, \$35,000

APARTMENTS
 (2677) TWENTIETH 125 W Church. Two-story and basement frame (3) apartments.
 Owner—Arvid Inberg, 3446 16th St., San Francisco.
 Plans by Owner.
 Day's work. COST, \$4,000

HEATING PLANT
 (2678) W LEAVENWORTH 27-6 S Pine. Install steam heating plant.
 Owner—Theo. E. Ruifs, 74 Parnassus Ave., San Francisco.
 Architect—None.
 Contractor—C. Peterson, 730 Larkin, San Francisco.
 COST, \$1,500

ALTERATIONS
 (2679) NE THIRD and MISSION. Alter and change cigar stand.

Owner—United Cigar Stores Co., 555 Howard St., San Francisco.
 Architect—C. E. Jones, 555 Howard St., San Francisco.
 Contractor—Wm. Martin, 110 Jessie, San Francisco.
 COST, \$2,000

LEASES.

San Francisco County.

Dec. 3, 1919—NO. 1690 FILLMORE E line btt. Geary and Post. Hamilton V Bryan, Florence L. Corbet and Carlton F. Bryan to Markus Golumb and Marx Faibin. 58 months. \$26,400.
 Dec. 3, 1919—SW VALENCIA AND Sixteenth S 92xW 88. Geo. H. and Josephine Winterburn to Walter B. Coffey, 8 years 2 months. \$26,400.
 Dec. 1, 1913—SW NINETEENTH AND Valencia S 50xW 100. A. F. and Rose C. Wahlstrom to Julius Brunton & Son 3 years. \$2040.
 Dec. 1, 1913—NO. 552 HAYES. H. D. Haskins to Valley Cleaners & Dyers. 5 years. \$30 per month.
 Dec. 4, 1919—SW TAYLOR & O'Farrell. The A. M. Merrill Ranch, Inc. and Colombia Hotel Co. to F. D. and wife Florence Lowell. 1 year. \$1200 per month.
 Dec. 4, 1919—N JACKSON 146-5 N Polk W 114-7 N Van Ness. Charles M. Belshaw to Crown Automobile Painting Corp. 6 years. \$30,000.

NOTICE OF NON-RESPONSIBILITY.

San Francisco County.

Dec. 2, 1919—S BUSH 150 E Polk E 50xS 120. C. E. and Clarence E. Schmitt, Extrs J. L. Schmitt, dec'd as to improvements on leased property.

COMPLETION NOTICES

San Francisco County

Nov. 28, 1919—GENERAL OFFICE Building on NW 250 ft. of 100V Blk 320. Southern Pacific Co. to Frederick D. Deese. Nov. 25, 1919
 Nov. 29, 1919—W TWENTY-SIXTH Ave 55-2 S Balboa W 90xS 130. N. J. Nelson to N. J. Nelson. Nov. 29, 1919
 Nov. 29, 1919—W TWENTY-EIGHTH Ave 35 N Anza N 25xW 57-6. Thos. Hamill to whom it may concern. Nov. 25, 1919
 Dec. 2, 1919—SE VIENNA 124-73 NE Amazon NE 25xSE 100 Ptn Lot 1 Blk 60 Excl. Hd. Louis Levy to Wm. H. Graber. Nov. 28, 1919
 Dec. 2, 1919—W NINETEENTH AVE 125 N Balboa N 25xE 120; No. 579 19th Ave. Wm. A. Miller to whom it may concern. Nov. 29, 1919
 Dec. 2, 1919—SE McALLISTER AND Divisadero. Rivers Bros. to Joel Johnson. Dec. 2, 1919
 Dec. 2, 1919—E BATTERY 45-10 S Green. James Otis Trustee, etc. (A. C. Whitcomb, dec'd) to Alfred H. Vogt. Dec. 2, 1919
 Dec. 2, 1919—W NINETEENTH AVE 100 N Balboa N 25xW 120. Wm. A. Miller to whom it may concern. Nov. 29, 1919
 Dec. 2, 1919—W TENTH AVE 225 N Judah 25x120. May Balaine to Wm. H. Graber. Nov. 28, 1919
 Dec. 2, 1919—W SIXTEENTH AVE 238-3 N Cabrillo N 24-3 S W 129-3 S to pt opp beg. E to beg. E. A. Jansen to whom it may concern. Nov. 26, 1919
 Dec. 3, 1919—NE FAIRGATE 150 NW Ellington (Porter) NW 25x120 Lot 7 Blk 15 West End Map No. 2. Marie Ganter to H. P. Maas and R. J. McGahey. Nov. 28, 1919

LIENS FILED.

Nov. 29, 1919—S KINGSTON 89-94 SE San Jose Ave. Mission Lumber Co. (a corp.) vs. J. Bruno, Rose Coyne and Mabel G. Bruno. \$97.65
 Dec. 3, 1919—N RAYMOND AVE 75 E Ruthe E 25xN 100. C. M. Rossi vs. Thos. McQuade. \$95
 Nov. 29, 1919—N FIFTEENTH 25 W Dolores W 25xN 85. R. C. Anderson vs. Shadle & Land Co. Jas. Jensen \$352

BUILDING CONTRACTS

Alameda County

4019	Palfreyman	Anderson	230000
4020	Coward	Coward	6000
4018	Reid	Owner	1200
4021	Standard Invest	Owner	400
4022	Same	Same	800
4023	Times Star	Hayes	5000
4024	Noble	Noble	2800
4025	Maxwell	Place	800
4026	Manning	Owner	500
4027	Federal	Wagner	5000
4028	Chandler	Ernsberger	500
4029	Coward	Coward	500
4030	Mund	Corlett	400
4031	Bradley	Bradley	500
4032	Un. Presb. Chr	Smith	3500
4033	Foster	Foster	700
4034	Dodge	Allen	9000
4035	Gerdts	Smith	3250
4036	Merrill	Smith	1000
4037	Swissart	Owner	500
4038	Wood	Scott	1000
4039	Sims	Sims	3000
4040	Colt	Palmer	100000
4041	Dalton	Stanley	4000
4042	Lapham	Owner	3000
4043	Williams	Owner	700
4044	Same	Same	2900
4045	Same	Same	2900
4046	3rd Ch Christ Sc	Whyte	20845
4047	Endress	Texdahl	10230
4048	Fields	Fields	500
4049	Taylor	Burton	7188
4050	Parker	Greuner	10000
4051	Tangalos	Owner	700
4052	Brown	Brown	2000
4053	Western Con'g	Bradley	3600
4054	Guaragna	Fones	1850
4055	Buck	Vallony	485
4056	Cross	Cramer	2559

DWELLING

(4018) W 105TH AVE 50 N San Leandro Creek, Oakland. One and one-half-story 4-room dwelling.
Owner—E. Reid.
Architect—None.
Day's work. COST, \$1200

PACKING PLANT

(4015) E TWENTY-NINTH AVE 295 N Elmwood Ave., Oakland. One-story brick and concrete fruit packing plant.
Owner—A. W. Palfreyman, 112 Market St., San Francisco.
Architect—Washington J. Miller, 417 Market St., San Francisco.
Contractor—Geo. W. Anderson, 684 16th, Oakland.
COST, \$230,000

DWELLING

(4020) W ROSAL AVE 85 S L'erida Ave., Oakland. Two-story 8-room dwelling.
Owner—J. Coward, 6081 Claremont Ave., Oakland.
Architect—None.
Day's work. COST, \$6000

ALTERATIONS

(4021) NO. 355 1/2 FERNSIDE BLVD., Alameda. Alterations.
Owner—Standard Investment Co., 601 18th St., Oakland.
Architect—None.
Day's work. COST, \$400

ALTERATIONS

(4022) NO. 1351 FERNSIDE BLVD., Alameda. Alterations.
Owner—Standard Investment Co., 601 18th St., Alameda.
Architect—None.
Day's work. COST, \$800

ALTERATIONS

(4023) NOS. 1599-11 PARK, Alameda. Alterations and additions.
Owner—Times Star Co.
Architect—None.
Contractor—Hayes Oser Co., 416 Call Bldg., San Francisco.
COST, \$5000

DWELLING

(4024) NO. 2711 SAN JOSE AVE., Alameda. One-story 5-room dwelling.
Owner—G. H. Noble, 2295 Santa Clara Ave., Alameda.
Architect—None.
Day's work. COST, \$2800

ALTERATIONS

(4025) TUNNEL W Webster, Alameda. Alterations.

Owner—Maxwell Hardware Co., 14th and Washington, Oakland.
Architect—None.
Contractor—Nels W. Place, 310 Fairmont Ave., Oakland.
COST, \$900

ADDITION

(4026) NO. 5811 CANNING, Oakland Addition.
Owner—F. L. Manning, Premises.
Architect—None.
Day's work. COST, \$500

FOUNDATION

(4027) S E-FOURTEENTH 154 E 54th Ave., Oakland. Foundation.
Owner—Federal Wool Mfg. Co., Mo-nadnock Bldg., San Francisco.
Architect—None.
Contractor—Geo. Wagner, 51 Kearny St., San Francisco.
COST, \$5000

ALTERATIONS

(4028) NO. 129 MONTE CRESTA AVE., Oakland. Alterations.
Owner—Chandler & Miller.
Contractor—Frank A. Ernsberger, 741 Linden, Oakland.
COST, \$500

(4029) SW ROSAL & LERIDA AVE., Oakland. Garage.
Owner—J. Coward, 6081 Claremont Ave., Oakland.
Architect—None.
Day's work. COST, \$500

ALTERATIONS

(4030) NO. 441 TWELFTH, Oakland. Alterations.
Owner—F. Mund, Premises.
Architect—None.
Contractor—Corbett & Bayliss, 1110 Franklin, Oakland.
COST, \$450

ALTERATIONS

(4031) NO. 524 TWENTY-NINTH AV., Oakland. Alterations.
Owner—Mrs. J. C. Bradley, 200 23rd Ave., Oakland.
Architect—None.
Contractor—F. K. Bradley, 200 23rd Ave., Oakland.
COST, \$500

FURNACE

(4032) NO. 890 UNION, Oakland. Furnace.
Owner—Union Presbyterian Church.
Architect—None.
Contractor—Dickson & Holbrook, 2115 Haste, Oakland.
COST, \$500

DWELLING

(4033) NO. 938 ALAMEDA, Berkeley. One-story 6-room dwelling.
Owner—Martha S. Foster, 2011 Indian Rock Path, Berkeley.
Architect—None.
Day's work. COST, \$3500

DWELLING

(4034) S AVALON AVE 115 W Claremont Blvd., Berkeley. Two-story 7-room dwelling.
Owner—Mrs. Chas. Dodge, 2540 Claremont Blvd., Berkeley.
Architect—F. H. Reimers, 2657 Rose, Berkeley.
Contractor—F. E. Allen, 2718 Regent, Berkeley.
COST, \$9000

DWELLING

(4035) N YOLO 100 E Milvia, Berkeley. One-story 5-room dwelling.
Owner—Juhl Cerdts, 2015 Francisco, Berkeley.
Architect—None.
Contractor—H. C. Smith, 2011 Francisco, Berkeley.
COST, \$3250

REPAIRS

(4036) NO. 2031 BANCROFT WAY, Berkeley. Fire repairs.
Architect—None.
Owner—Clarence Merrill, Premises.
Contractor—H. C. Smith, 2011 Francisco, Berkeley.
COST, \$1000

ALTERATIONS

(4037) NO. 1540 LE ROY, Berkeley. Alterations.
Owner—Harry Swissart, King George Hotel, San Francisco.
Architect—None.
Day's work. COST, \$500

REPAIRS

(4038) NO. 9 PLAZA DRIVE, Berkeley. Repairs.
Owner—Walter S. Wood, Claremont Hotel, Berkeley.
Architect—None.
Contractor—G. A. Scott, 655 23rd, O.kd.
COST, \$1000

DWELLING

(4039) S FAIRFAX AVE 642 N Ygnacio Ave., Berkeley. One-story 5-room dwelling.
Owner—Wm. H. Sims, 1926 64th Ave., Oakland.
Architect—None.
Day's work. COST, \$3000

GARAGE

(4040) N GRAND AVE 100 E Webster, Oakland. Four-story reinforced concrete garage.
Owner—Roger Colt, 14th and Harrison Oakland.
Architect—M. I. Diggins, Union Bank Bldg., Oakland.
Contractor—Palmer & Petersen, Mo-nadnock Bldg., San Francisco.
COST, \$100,000

DWELLINGS

(4041) W SEMINARY AVE 80 N Taylor, NW Seminary Ave and Taylor, Oakland. Two one-story 5-room dwellings.
Owner—S. E. Dalton, 1257 46th Ave., Oakland.
Architect—None.
Contractor—C. B. Stanley.
COST, \$2000 each

DWELLING

(4042) E SIXTIETH AVE 160 N Avenal Ave., Oakland. One-story 6-room dwelling.
Owner—Frank Lapham, 2519 61st Ave., Oakland.
Architect—None.
Day's work. COST, \$3000

DWELLINGS

(4043) S SHAFTER AVE 32 and 66 S 35th, Oakland. Two one-story four-room dwellings.
Owner—R. E. Williams, 2700 High St., Oakland.
Architect—None.
Contractor—Chas. C. Williams, Syndicate Bldg., Oakland.
COST, \$2800 each

DWELLING

(4044) S THIRTY-EIGHTH 91 E Shafter Ave., Oakland. One-story 4-room frame dwelling.
Owner—R. E. Williams, 2700 High St., Oakland.
Architect—None.
Contractor—Chas. C. Williams, Syndicate Bldg., Oakland.
COST, \$2900

DWELLING

(4045) S THIRTY-EIGHTH AND Shafter Ave., Oakland. One-story 4-room dwelling.
Owner—R. E. Williams, 2700 High St., Oakland.
Architect—None.
Contractor—Chas. C. Williams, Syndicate Bldg., Oakland.
COST, \$2900

FRAME CHURCH

(4046) N YOLINCE 120 frm E line College E 148 7/8 X N 135, Berkeley. All work except painting for frame church.
Owner—Third Church of Christ Scientists in Berkeley.
Architect—Edward T. Foulkes, Crocker Bldg., San Francisco.
Contractor—James Y. Whyte, 1630 27th Ave., Oakland.
Filed Dec. 3, '19. Dated Dec. 1, '19.
On 5th & 20th day of each month 75% usual 35 days. 25%
TOTAL COST, \$20,945
Bond, \$10,500. Surety, Bert C. Scott.
On 90 days. Forfeit none. Plans and specifications filed.

DWELLING

(4047) ASHBY AVE. N 200 W Claremont, being lot 20, blk. "C" Barne's Addition to Elmwood Park, Berkeley. All work except electric fixtures and wall papering for two-story and basement frame dwelling and garage.
Owner—Mrs. Abby W. Endress, Berkeley.
Architect—James W. Plachek, 214 Shattuck Ave., Berkeley.
Contractor—Texdahl, 226 Acton Place, Oakland.

Filed Dec. 3, '19. Dated Nov. 29, '19.
 roof on 1/4
 Plastered 1/4
 Completed and accepted 1/4
 Usual 35 days 1/4
TOTAL COST, \$10,280
 Bond, Sureties, Forfeit, none. Limit, 80 days. Plans and specifications filed.

ALTERATIONS
 (4048) W 106 TH AVE 225 S Royal Ave., Oakland. Alterations.
 Owner—Joseph Fields, San Leandro.
 Architect—None.
 Day's work. COST, \$500

DWELLING
 (4049) SE GRAND ST. 50 SW Clinton Ave., Alameda. All work for two-story frame dwelling, except painting (tinting, papering, furnace, ducts and registers, finish hardware, light fixtures and shades).

Owner—H. Wymann Taylor Alameda. Architect—Wm. Knowles, Central Bank Bldg., Oakland.
 Contractor—Chas. Burton, 2315 Garfield, Alameda.

Filed Dec. 4, '19. Dated Dec. 3, '19.
 Enclosed 1/4
 Interior plastered 1/4
 Completed and accepted 1/4
 Usual 35 days 1/4
TOTAL COST, \$7183
 Bond, Sureties, none. Forfeit, \$2. Limit, March 15, 1920. Plans and specifications filed.

GARAGE
 (4050) W BROADWAY 225 N Moss Ave., Oakland. One-story tile garage. Owner—W. W. Parker, 570 Villa Vista Ave., Oakland.
 Architect—Clay N. Burrell, 1st Savings Bank Bldg., Oakland.
 Contractor—W. M. Greuner, 176 Grand Ave., Oakland.
 COST, \$10,000

ALTERATIONS
 (4051) NO. 441 TWELFTH, Oakland. Alterations.
 Owner—Julius Tangalos, Premises.
 Architect—None.
 Contractor—Corbett & Bayliss, 1110 Franklin, Oakland.
 COST, \$700

DWELLING
 (4052) N ALCATRAZ AVE 45 E California, Berkeley. One-story 5-room dwelling.
 Owner—Brown & Stoops, 1431 Alcatraz Ave., Berkeley.
 Architect—None.
 Day's work. COST, \$2000

LATH AND PLASTER
 (4053) COR. PARK AVE. and Harlan St., Emeryville. All work for lath and plaster for a two-story and balcony office building.
 Owner—Western Canning Co., acting through Agt. P. J. Walker, Monadnock Bldg., San Francisco.
 Architect—Geo. W. Kelham, Sharon Bldg., San Francisco.
 Contractor—Peter Bradley, 180 Jessie, San Francisco.

Filed Dec. 5, '19. Dated Dec. 1, '19.
 10th of each month 75%
 Usual 35 days 25%
TOTAL COST, \$3800
 Bond, Sureties, Forfeit, none. Limit, 35 days. Plans and specifications filed.

ALTERATION
 (4054) NO. 522 MYRTLE ST., being E Myrtle 20 N 5th N 36.78, E 37.4, W 91.4%. Alter dwelling to flats.
 Owner—L. Guaragna, 1526 Everett St., Alameda.

Architect—None.
 Contractor—J. H. Fones, 832 Cleveland St., Oakland.
 Filed Dec. 5, '19. Dated Dec. 4, '19.
 Front completed 1/4
 Plastered 1/4
 Completed and accepted 1/4
 Usual 35 days 1/4
TOTAL COST, \$1586

Bond, Sureties, none. Limit, 60 days. Forfeit, \$5. Specifications only filed.

ADDITION
 (4055) NO. 3066 KANSAS, Oakland. Addition.
 Owner—F. Buck, Premises.
 Architect—None.
 Contractor—H. L. Vallony, 3066 Maple, Oakland.
 COST, \$485

DWELLING
 (4056) SW SEVENTY-EIGHTH AVE and Holly, Oakland. One-story four room dwelling.

Owner—Harold M. Cross, 1289 78th Ave., Oakland.
 Architect—None.
 Contractor—Sherman Carmen, 1321 78th Ave., Oakland.
 COST, \$2500

COMPLETION NOTICES

Alameda County

Nov. 29, 1919—W HEARN 140 S Chabot Road S 4th W 136.10 N 40.18 E 133.66 Okd. Joseph Coward to whom it may concern. Nov. 28, 1919
 Nov. 29, 1919—LOT 26 BLK 11 Map Oakridge, Bkly. Joseph Coward to whom it may concern. Nov. 28, 1919
 Nov. 29, 1919—LOT 14 BLK 11 Map Thousand Oaks. — E R Lamb to whom it may concern. Nov. 22, 1919
 Nov. 29, 1919—S E-TWENTY-SECOND 100 SE 11th Ave SE 50xSW 100. Okd. Anita E Bradley to whom it may concern. Nov. 22, 1919
 Nov. 29, 1919—SE E-TWELFTH and Thirty-third Ave. Okd. Jesse Sebens to George H Lydskens. Nov. 20, 1919
 Dec. 1, 1919—BOUNDED BY FOOT-hill Blvd, Hillside St, 72nd Ave., Garfield St. and 69th Ave., Oakland
 Chevrolet Motor Co of California to McGilvray-Raymond Granite Co. Nov. 26, 1919
 Dec. 2, 1919—E COLLEGE AVE 70 S Garber, Bkly. Margaret S Blair to Edward W Larmer. Nov. 25, 1919
 Dec. 2, 1919—LOT 51 and N S 4th E. Map San Antonio Court, San Leandro. Allen E Pelton to Henry Houle. Dec. 2, 1919
 Dec. 2, 1919—E LEWIS 100 S Railroad Ave S 25x E 125, Okd. C H Nor to Hancock & Lydskens. Dec. 1, 1919
 Dec. 3, 1919—SE FOURTEENTH AV 866 NE E Twenty-fourth SE 77 from point beg SE 80xSW 40, Okd. Eugene Vrooman to C J Nelson. Nov. 21, 1919
 Dec. 4, 1919—NO. 31 HIGH COURT, Berkeley. N. C. Cornwall, agt. J. W. Hollister to J. A. Wilson. Dec. 3, 1919
 Dec. 3, 1919—COR. ARLINGTON & Indian Rock Aves, Bkly. Dr E L Loring by James W Placke to Connor & Connor. Nov. 28, 1919
 Dec. 4, 1919—LOT 11 Map Claremont Manor, Oakland. Jesse Robinson to Rose W Littlefield. Dec. 3, 1919
 Dec. 5, 1919—BOUNDED BY FOOT-hill Blvd, Hillside St, 72 Ave., Garfield St. and 69th Ave., Oakland. Chevrolet Motor Co of California by F J Walker Co to Peter Bradley. Dec. 1, 1919

OAKLAND BUILDING PERMITS FOR THE MONTH OF NOVEMBER, 1919.

Classifications of Buildings	No. of Permits	Costs
1-story dwellings.....	69	164,832
1½-story dwellings.....	4	11,600
1½-st dwlg & garage	1	2,800
2-story dwellings.....	11	57,900
2-story flats.....	4	35,550
2-story apartments.....	2	42,000
1-story store.....	2	7,250
2-story warehouse.....	1	100,000
1-st machine shops	4	6,100
1-st foundry, add'n cost	1	10,000
1-story greenhouse.....	1	300
2-st concrete cannery.....	1	100,000
2-st concrete boiler hse	1	12,000
1-st concrete garages.....	2	3,300
1-st brick garage.....	2	28,500
1-story brick shed.....	1	100
1-story brick addition.....	1	2,000
1½-st steel warehouse	1	20,000
1-st garages & sheds.....	93	17,570
Tank frames.....	3	825
Electric signs.....	10	3,160
Additions.....	50	31,771
Alterations & repairs.....	70	37,107
Total.....	331	\$595,465

SUMMARY.

New construction.....	261	\$558,358
Alterations & repairs.....	70	37,107
Total.....	331	\$595,465

BUILDING CONTRACTS.

Santa Clara County.

STATION
 FIRST and FLOYD STS., San Jose.
 Filing station.
 Owner—Standard Oil Co.
 Architect—None.
 Day's work. COST, \$1000

DELMAS bet. Hull and Coe, San Jose.
 Two 5-room cottages.
 Owner—Cole Realty Co., 719 Cole St., San Francisco.
 Architect—Owner.
 Day's work. COST, \$3000 each

BUILDING CONTRACTS.

Fresno County.

REPAIRS
 NO. 3335 KERCKHOFF ST, Fresno.
 Repairs.
 Owner—Mrs. G. K. Jones, 3335 Kerckhoff St, Fresno.
 Architect—None.
 Contractor—C. Saunders, 232 Yosemite, Fresno.
 COST, \$2000

OIL STATION
 LOTS 39, 40, BLK. 2, Muller & Northcroft Add. Fresno.
 Owner—Standard Oil Co. Premises.
 Architect—None.
 Day's work. COST, \$1500

DWELLING AND GARAGE
 LOTS 100 AND 101, DEL MAR Tract, Fresno. Frame dwelling and garage.
 Owner—C. L. Laylor, 3734 Illinois St., Fresno.
 Architect—None.
 Day's work. COST, \$3500

DWELLING AND GARAGE
 LOT 3, BLK. 182 HAZELWOOD, Fresno. Frame dwelling and garage.
 Owner—H. S. Smith, 2804 Belmont, Fresno.
 Day's work. COST, \$3400

DWELLING
 LOTS 17, 18, BLK 17, ARLINGTON Heights, Fresno. Frame dwelling.
 Owner—G. G. Baley, Fresno.
 Architect—None.
 Day's work. COST, \$1500

ADDITION
 LOTS 23 TO 28, BLK. 65, Fresno. Addition to building.
 Owner—Benham Co., 1420 H St., Fresno.
 Architect—None.
 Contractor—Trewthitt - Shields Co., Rowell Bldg., Fresno.
 COST, \$25,000

ALTERATION
 NO. 1153 "J" St, Fresno. Alter, etc.
 Lessees—Joe Maracci & J. L. Daly, 985 N Van Ness Ave., Fresno.
 Architect—None.
 Contractor—J. L. Daly, 15 St. Andrews Apts., Fresno.
 COST, \$15,000

DWELLING AND GARAGE
 LOT 6, BLK 3, ALTA VISTA TRACT, Fresno. Frame dwelling and garage.
 Owner—C. E. Bernbauer, H St., cor. Monterey, Fresno.
 Architect—None.
 Contractor—Short & Neads, 127 Fresno Ave., Fresno.
 COST, \$14,000

DWELLING
 LOT 22, BLK. 21 ALTA VISTA Tract, Fresno. Frame dwelling.
 Owner—A. B. Kirk, 915 Roosevelt, Fresno.
 Architect—None.
 Contractor—C. V. Smith, Fresno.
 COST, \$5500

DWELLING AND GARAGE
 LOT 14, BLK. 4, ALTA VISTA TRACT, Fresno. Frame dwelling and garage.
 Owner—A. C. Woodstock, 3944 Platt, Fresno.
 Architect—None.
 Contractor—C. E. Buckmaster, 1712 Lewis, Fresno.
 COST, \$6000

DWELLING AND GARAGE
 LOTS 1, 2 BLK. 11, WILSON NORTH Fresno. Frame dwelling and garage.
 Owner—B. H. Johnson, K St., Fresno.
 Architect—None.

Contractor—H. H. Putnam, Fresno.
COST, \$10,000

BUILDING
LOTS 27 TO 30, BLK. 142, Fresno. Two-story and basement reinforced concrete building.
Owner—Western Meat Co. of San Francisco.

Architect—None.
Contractor—Lars C. Larsen and Jas. S. Sampson, Crocker Bldg., S. F.
Filed Dec. 1, '19. Dated Feb. 24, '19.
Monthly 75%
Usual 35 days 25%
TOTAL COST, \$38,000
Bond, \$25,000. Sureties, New Amsterdam Casualty Co., Portef., \$25. Limit, \$2 days. Plans and specifications filed.
NOTE—Building is completed.

COMPLETION NOTICES.

Fresno County.

Recorded Accepted
Nov. 23, 1919—LOTS 16 AND 17 BLK 1, Maywood Tract, Fresno. H. T. Humphreys to whom it may concern. Nov. 23, 1919
Nov. 23, 1919—LOTS 13 AND 14 BLK 4 and Lots 20 and 22 Blk 3, Leona Heights, Fresno. C. G. Kennedy to whom it may concern. Nov. 17, 1919
Nov. 23, 1919—LOTS 13 AND 14 BLK 2, Allen & Rindorf Tract, Fresno. Walker C. Smith to whom it may concern. Nov. 23, 1919
Dec. 4, 1919—SEC. 11, 19-15. Oil well No. 27. Southern Pacific Co. to whom it may concern. Nov. 24, 1919

BUILDING CONTRACTS.

Sacramento County.

DWELLING
NO. 1101 FORTY-EIGHTH ST., Sacramento. One-story 4-room frame dwelling.
Owner—P. Malerdi, 1006 48th St., Sacramento.

Architect—None.
Contractor—L. T. Gould, 600 Ventura, Sacramento.
COST, \$3000

RESIDENCE
NO. 1917 SEVENTH ST., Sacramento. One-story 6-room frame residence.
Owner—St. Mary's Church, 1915 7th, Sacramento.
Architect—None.
Contractor—E. Vanna, Sacramento.
COST, \$6500

RESIDENCE & GARAGE
NO. 2361 PORTOLA DRIVE, Sacramento. One-story 5-room frame residence and garage.
Owner—H. P. Davidson, 2431 Stockton Road, Sacramento.
Architect—None.
Contractor—T. Johnson, 2000 "T" St., Sacramento.
COST, \$4000

DWELLING AND GARAGE
NO. 510 THIRTY-FIRST ST., Sacramento. Two-story 6-room frame dwelling and garage.
Owner—J. Eichenhofer, 3300 2nd Ave., Sacramento.
Architect—None.
Day's work. COST, \$4000

RESIDENCE
NO. 2530 THIRTY-SEVENTH ST., Sacramento. One-story 5-room frame residence.
Owner—A. J. Perrone, 3630 "Y" St., Sacramento.
Architect—None.
Day's work. COST, \$3500

ADDITION
NO. 2504 "J" ST., Sacramento. Addition to residence.
Owner—G. N. Shane, Prem ses.
Architect—None.
Day's work. COST, \$1000

LIENS FILED.

Sacramento County.

Recorded Amount
Nov. 23, 1919—LOTS 132, 133 AND 134 Lemon Hill Tract, Sacramento. E. J. Brickell vs S E Whiting. \$899.30

BUILDING CONTRACTS.

San Joaquin County.

BANK FIXTURES
NW EIGHTH AND CENTRAL STS., Tracy. Fixture work for bank.
Owner—Bank of Tracy, Premises.
Architect—W. H. Weeks, 75 Post St., San Francisco.
Contractor—Fink & Schindler, 226 13th St., San Francisco.
COST, \$11,570

RESIDENCE & GARAGE
PERSHING DRIVE & ORANGE ST., Stockton. Frame residence and garage.
Owner—F. P. Dobson, 27 W Oak St., Stockton.
Architect—None.
Day's work. COST, \$4100

RESIDENCE
YOSEMITE SUBD., Stockton. Residence.
Owner—M. Poletto, Stockton, Calif.
Architect—None.
Day's work. COST, \$1000

COMPLETION NOTICES.

San Joaquin County.

Recorded Accepted
Dec. 4, 1919—NORTH MANTECA ADDITION LOT 18 BLK 9, City of Manteca. A S Bomberger to Dan Bay-singer. Dec. 3, 1919

LIENS FILED.

San Joaquin County.

Recorded Amount
Dec. 4, 1919—POWERS SUB-DIVISION OF NW ¼ of Sec 6, T. 2 S., R. 7 E., Stockton. Manteca Lumber Co. (a Corp) vs H H Jordan and Christine M Jordan. \$52.51

SEWER WORK PLANNED.

HANFORD, Kings Co., Cal.—The City Council has instructed the Clerk to secure data regarding costs, etc., for the construction of a sewer district outside the city limits to connect with the present sewer system.

It is probable that funds to finance the project will be raised through a bond issue

PAVING BIDS OPENED.

LOS ANGELES, Los Angeles Co., Cal.—The following bids were received by the Board of Supervisors of Los Angeles County for paving 2.4 miles of the harbor truck boulevard on Alameda street between Burton street and south city limits of Compton, in Road District No. 4:

Rogers Bros. Co., Los Angeles (1) excavating \$1 cu. yd.; (2) shaping road bed, 30c lin. ft.; (3) placing disintegrated granite, \$1 per ton; (5) concrete paving, \$20 cu. yd.; (7) reinforcing rods, 10c per lb.; (7-a) (1) rolled wire mesh, ½ sq. ft.; (2) sheet wire mesh, \$4.04 per sq. ft.; (8) pipe rail, \$3 per lin. ft.

D. L. Gaskill, Los Angeles (1) \$1.50; (2) 30c; (3) 75c; (5) \$1.58; (6) \$18; (7) 10c; (7-a) (1) ½c; (2) \$4.00; (8) \$2.50.

Fairchild-Gilmore-Wilton Co., Los Angeles (1) 75c; (2) 40c; (3) \$1; (5) \$1.66; (6) \$15; (7) 10c; (7-a) (1) ½c; (2) ½c; (8) \$5.
Geo. R. Curtis, Los Angeles (1) \$1; (2) 48c; (3) \$1.65; (5) \$1.90; (6) \$15; (7) 10c; (7-a) (1) 1c; (2) ½c; (8) \$1.50.

The approximate quantities are: 500 cu. yds. excavation; 12,302 lin. ft. shaping roadbed; 7603 cu. yds. 1:24 concrete paving; and construction of a reinforced concrete culvert, 25x ft., estimated to cost about \$700. The

paving will be 24 ft. wide and 8-in. thick, reinforced with disintegrated granite shoulders. The county will furnish 11,481 bbls. cement; 316,266 sq. ft. electric welded rectangular mesh reinforcing and 7820 tons disintegrated granite. The bids were referred to the road department.

NEW ORPHEUM THEATRE PLANNED FOR SAN FRANCISCO.

SAN FRANCISCO.—The Orpheum Theatre and Realty Co. has enlarged its incorporation taking in several other circuits and are planning the erection of a new Class "A" theatre building for San Francisco to seat from 3000 to 4000 persons. A new location will be selected.

G. Albert Lansburgh, 604 Mission St., will probably be selected architect as it is planned to duplicate the State-Lake Theatre in Chicago, for which he drew the plans.

BIDS WANTED FOR FRESNO COUNTY HIGHWAYS.

FRESNO, Fresno Co., Cal.—The County Supervisors have instructed County Clerk D. M. Barnwell to receive bids up to January 9th, 2 P. M., for the paving of Elm and Black avenues under the recently voted county bond issue. The call for bids will provide for four specifications as follows:

Cement concrete base of 1—3—6 mixture, with Warrenite surfacing; base of the same materials, with a Jennesite surfacing; black base, or asphalt-concrete with a Warrenite surfacing, and black base with a Topeka top.

Chris P. Jensen is County Highway Engineer.

LAWN SPRINKLER SYSTEM BIDS OPENED.

SACRAMENTO, Cal.—Two bids were received by the City Commissioners, M. J. Desmond, City Clerk, for the installation of a lawn sprinkler system for Helvetia Park. The bids were:
Scott, Lyman & Stack \$690
Cowles & Co. 644
Both bids were taken under advisement.

LOCAL PLANNING EXPERT TO GET SPOKANE POSITION.

SPOKANE, Wash.—Chas. S. Cheney, Crocker Bldg., San Francisco, has been chosen by the City Council to fill the position of City Planning Expert at a salary of \$3,600 per year.

IRRIGATION DITCH REPAIR ASKED

COLUMBIA, Tuolumne Co., Cal.—Thirty-four farmers in the vicinity of Columbia have applied to the State Railroad Commission asking that it compel the Sierra and San Francisco Power Company to repair the irrigation ditch known as the Columbia Canal so they might secure sufficient water to irrigate their lands.

The farmers agree to repair their ditch themselves providing the power company furnishes the necessary materials. Among those who placed the matter before the Commission are: Bell Marble Co., Corp.; A. E. Caldwell; Grant Allen; T. A. Winn, and Antone Pedesto.

BIDS OPENED FOR SANITARY SEWERS.

LOS ANGELES, Cal.—John Balch, 696 Twelfth St., San Pedro, submitted the lowest bid at approximately \$233,000 for constructing clay pipe sanitary sewers in Gulf avenue between B and Anaheim streets, and other streets in the Gulf Avenue Sewer District, Wilmington. Bids were opened by the Board of Public Works, December 1, 1919. Other bidders were: John Balch, Mike Chutuk and C. D. Soterias.

SANTA CRUZ COUNCIL PLANS WATER IMPROVEMENTS.

SANTA CRUZ, Santa Cruz Co., Cal.—The construction of a 10,000 gallon water tank on low ground and a 20,000 gallon tank on high ground in the city park for the improvement of the present water system is being considered by the Santa Cruz City Council. The installation of a pump, costing about \$470, and the construction of a road through the park, estimated to cost \$2,500 is also planned.

BRIDGE BIDS WANTED.

HOLLISTER, San Benito Co., Cal.—The County Supervisors have instructed the County Clerk to call bids for the construction of two concrete bridges on the Fairview-Ausaymas cut-off.

Almer Dowdy is County Clerk.

GALVANIZED WATER PIPE CONTRACT AWARDED.

MADERA, Madera Co., Cal.—Following bids were received by the County Supervisors, W. R. Curtin, County Clerk, for furnishing and delivering 3,150 feet of 1½" and 2,550 feet of 1" galvanized water pipe.

Howard W. Bray, Central Bank Bldg., Oakland, \$1,018.42.

W. H. Gibbs, Madera, \$1,116.

Rosenthal-Kutner Co., Madera, \$1,111.11.

W. L. Wheeler, San Francisco, \$1,041.24.

Pacific Pipe Co., San Francisco (1½" pipe only), \$672.21.

Contract was awarded to H. W. Bray.

STREET WORK PLANNED.

OAKLAND, Cal.—The City Council, L. W. Cummings, City Clerk, has passed a resolution of intention providing for the improvement of 35th Avenue from East Tenth Street southwest by grading; constructing concrete curbs and gutters; cement sidewalks and laying an oil-macadam base.

PLAN TO ERECT CHURCH.

BAKERSFIELD, Kern Co., Cal.—Announcement is made that a new Methodist Church for the east side will be built at Nile and King streets next Spring. Plans have been made for a

brick structure of Classical design, 106x77 ft., to cost \$35,000. The building will contain an auditorium seating 425 and Sunday School department. The congregation now has \$21,000.

TO VOTE BONDS FOR SCHOOL BUILDING.

LINCOLN SCHOOL DISTRICT, Sacramento Co., Cal.—An election will be held in the Lincoln School District December 27th to decide the question of issuing and selling bonds of \$18,000 with which to finance construction of a new school building.

Trustees of the District are: W. O. Stahl, P. C. Hansen and J. A. Reker.

BIDS OPENED FOR GAS SYSTEM PIPING.

HUNTINGTON, Orange Co., Cal.—R. F. Ware, Union Oil Bldg., Los Angeles, submitted the lowest bid at \$15,750 for laying pipe for the new municipal gas distributing system. Thos. Haverly Co. bid \$24,987. The bids were taken under advisement by City Trustees pending purchase of pipe.

STREET WORK CONTRACT AWARDED.

EUREKA, Humboldt Co., Cal.—J. W. Paine has been awarded a contract by the City Council for the grading and graveling of "A" street between Hawthorne and Long streets, on his bid of \$6,143.93. The estimate of City Engineer Hannah was \$5,768. Other bids were:

Elsemore & Jacobs.....\$6,882.45

Padgett & Kelly.....6,529.10

STREET AND SEWER WORK PLANNED.

SANTA CRUZ, Santa Cruz Co., Cal.—The following action was taken at the last meeting of the City Trustees for street and sewer improvements: Construction of sidewalks on both sides of Clinton street between Cayuga and Seabright avenues, laid over for further consideration.

City Engineer instructed to prepare plans for a sewer in Anthony street between Towne and Bay streets.

Plans ordered prepared for sidewalks on the north line of Third St.

SISKIYOU COUNTY PLANS BOND ISSUE.

YREKA, Siskiyou Co., Cal.—A movement has been started to bond the county for \$100,000 to build good roads. County Engineer Sarter will submit a report at the next meeting regarding a cross county system of highways, running from Callahan in Scott Valley to Dorris in Butte Creek Valley, a distance of about 100 miles; also a road from Sisson to the Shasta County line towards Fall River.

The construction of several wood

and concrete bridges is also included under the proposed issue.

BRIDGE CONSTRUCTION PLANNED.

MADERA, Madera Co., Cal.—Plans providing for the construction of a bridge over the canal at Vineyard avenue were presented at the last meeting of the City Trustees and referred to the Sugar Pine Company of Madera for approval as this company is to finance construction of the structure.

MUNICIPAL IMPROVEMENT BONDS SOLD.

KLAMATH FALLS, Ore.—The City Council has sold bonds of \$97,031 to finance the improvement of Esplanada, Pacific Terrace, Portland, Tenth, Market and Lincoln streets.

TO URGE PAVING OF OAKDALE STREETS.

OAKDALE, Stanislaus Co., Cal.—Paving plans to cost \$75,000 and which will cover the entire down town district of Oakdale, and also connect up the through highways will be submitted to the City Trustees by the Chamber of Commerce at their next meeting.

ASSISTANT ENGINEER FOR NEVADA STATE HIGHWAYS APPOINTED.

CARSON CITY, Nevada—George W. Borden, of the State of Washington, has been appointed assistant highway engineer for the State of Nevada.

C. C. Cottrell is Chief Engineer of the Nevada State Highway Commission.

ELECTRICAL EQUIPMENT AND Supplies—Office of the General Purchasing Officer, Panama Canal, Washington, D. C.—Bids are wanted until December 17, 1919, circular 1320, for furnishing electrical equipment and supplies. For information address A. L. FLINT, General Purchasing Officer.

CHICO PLANS MUNICIPAL SWIMMING POOL.

CHICO, Butte Co., Cal.—Plans for a \$40,000 municipal swimming pool were presented to the directors of Bidwell Park and the Playground Commission of Chico by Architect Edwin J. Symmes.

The plans provide for a semi-circle swimming pool, 100 feet wide and 80 feet swimming distance from the inner edge to the line where the pool opens into Chico Creek.

Circular concrete walks, one for bathers and another for spectators, are provided, besides concrete dressing rooms erected in Mission style. On the south entrance to the pool a small reception room will be built.

The lake will provide for about one-half mile boating area and will hold 13 billion gallons of water.

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POPLAR-WALNUT



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JUNES-RED SPANISH CEDAR
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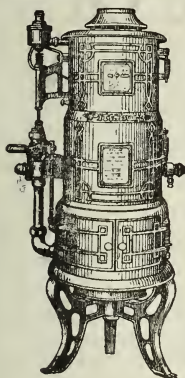
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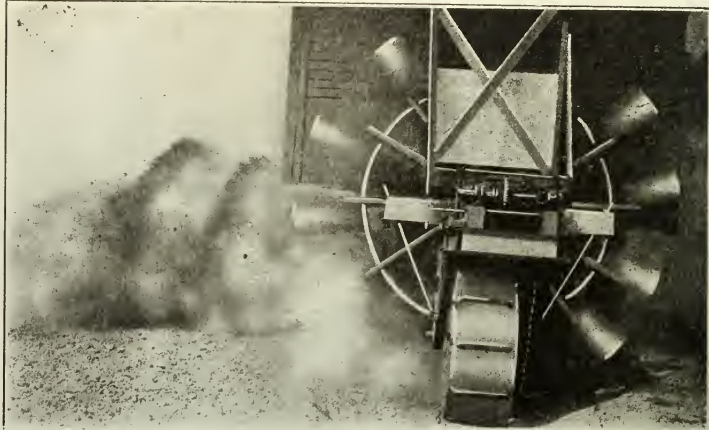
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IRRIGATION DITCHES.

Machine will cut
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simple application
of a striking board
is enabled to deposit
the excavated mate-
rial on the bank at
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or leave as much of
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Machine can be
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different instances,
as its ability to kick
a lot of dirt out of
the way in a short
time will make it in-
valuable where cuts
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whether this be up
or down; it should
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Machine uses Gas
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the fuel cost. Two
men can operate the
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be a gas engine man
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well at night as in
daylight.

Devoted to the Engineering, Architectural, Building and Industrial Activities of the Pacific Coast.

Entered as second-class matter at San Francisco Post Office under act of Congress of March 3, 1879.

ISSUED EVERY WEDNESDAY.
L. A. LARSEN,
Publisher and Proprietor.



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SAN FRANCISCO OFFICE
550 Mission Street.
Telephone—Douglas 2372.

J. P. FARRELL.....Exchange Editor

American Association of Engineers

NEWS FROM NATIONAL HEAD-QUARTERS.

The Fortnightly Engineering Service Review.

The demand for draftsmen is becoming more acute every day. The greatest need appears to be in the Central West and east of Chicago, especially in small manufacturing towns. In the larger cities the supply and demand almost balance except for specially trained men.

Experienced men have left the drafting board for better paying positions in supervisory lines or as sales engineers, yet few men have taken their places. The shortage thus created is resulting in higher salaries being offered. Several employers are paying eighty-five dollars a week for experienced structural or mechanical designers, and if the present shortage continues, salaries will be advanced, no doubt, above that figure.

With the winter months ahead, building construction and highway work is decreasing considerably. Engineers experienced along those lines are less in demand. Large corporations, such as railroads, are not increasing their staffs except in a few minor positions. After the first of the year, when new appropriations are approved and additional work is necessary, there will be an abundance of work for construction engineers. Many positions for sales engineers will be open soon by firms who are doing extensive advertising.

The Service Department of the American Association of Engineers is supplying engineers in some cases to make up entire organizations, it has furnished almost every engineer on a \$4,500,000 highway construction job in the south. About twenty men were placed as highway engineers, chiefs of parties, transitmen draftsmen, computers and levelmen. American engineers are being sent to Mexico where the need for competent professional engineers is acute.

Attention is called to the first report of the practice committee of the American Association of Engineers in the December issue of The Monad.

The City Council of Oklahoma City has created a civic advisory board of nine members to give the council expert advice and assistance in administrative matters. The Oklahoma Chapter of the American Association of En-

gineers has been asked by the council to name one representative.

Dr. F. H. Newell, president of the American Association of Engineers, spoke before the Milwaukee Chapter of A. A. E. on December 5.

C. E. Drayer, secretary of the American Association of Engineers, appeared before the city officials of Cleveland in regard to an increase of salary for municipal engineers, on December 4, and addressed the Akron Club of A. A. E. on Friday, December 5.

SAN FRANCISCO CHAPTER, A. A. E.

Annual Meeting.

At the annual meeting of the San Francisco Chapter of the American Association of Engineers, held December 4, in the rooms of the Commercial Club, the following officers were elected:

President—Wm. S. Woolner (General Safety Agent Northwestern Pacific R.R.)
First Vice-President—J. F. Johnston (Service Manager Union Construction Co.)

Second Vice-President—W. H. Phelps (Asst. Division Engineer, Southern Pacific R.R.)

Treasurer—L. R. Kessing (Engineer California Railroad Commission.)
Secretary—A. G. Mott (Asst. Engineer Southern Pacific R.R.)

Prior to the announcement of the results of the election the retiring officers and committee chairmen rendered reports of their activities.

Mr. Woolner, in accepting the presidency, stated his conception of the obligation that the engineer owes to the community, indicating that the function of the American Association of Engineers should be to train and assist engineers in fulfilling that obligation and that the Association should be the mouthpiece of engineers in all public activities. He particularly emphasized the fact that this was an organization of professional technical men to talk of their non-technical interests and activities.

NEW BOOKS.

Urbana, Ill., November 24, 1919.

In the Chemistry Department of the Engineering Experiment Station of the University of Illinois, a thorough investigation has been made of the nature of four sulphur compounds in coal, the quantity of each form present, and the change which characteristic forms undergo when the coal is

allowed to stand or is subjected to coking.

The following methods were developed for the quantitative analysis of each form of sulphur:

(1) The sulphate sulphur was determined by extraction of the coal with dilute hydrochloric acid.

(2) The pyritic sulphur was determined by extraction of the coal with dilute nitric acid; it having been found that nitric acid of a certain dilution has a selective action on sulphur combined as iron pyrites.

(3) The resinic sulphur was determined by extraction of the coal with phenol.

(4) The humus sulphur was determined either by a direct method or by the difference between the sum of the other three forms and the total sulphur in the coal.

The devising of such methods of analysis has been sought after in recent years by coal and coke investigators, but without satisfactory results up to the present time. The methods here proposed have been put to extended tests with exceedingly satisfactory results.

These investigations which were made by A. R. Powell with Professor S. W. Parr, are published in Bulletin 111 of the Engineering Experiment Station.

Copies of Bulletin No. 111 may be had without charge by addressing the Engineering Experiment Station, Urbana, Illinois.

COUNTY ROAD IMPROVEMENTS IN CALIFORNIA.

Some time ago the Building and Engineering News sent out a blank inquiry form to some 27 counties who had improved their roads or contemplated doing so, requesting the engineers in charge to fill out the form and return it for publication, with such other information as they might desire to give to the public pertaining to the road systems of their respective counties; 16 replies have so far been received, and we therefore feel justified in thinking that all the counties that care to answer have answered, and that we can start the publication of the information received which will naturally show up the counties who are lagging behind in giving their road systems the fullest amount of publicity, or are ashamed of the work they have put in or are contemplating to put in.

The following is a list of the counties which received the inquiry form:

Los Angeles, Orange, Riverside, San Bernardino, San Diego, Imperial, Kern, Ventura, Santa Barbara, Kings, Tulare, Fresno, San Benito, Santa Cruz, Santa Clara, San Mateo, Madera, Merced, Stanislaus, Alameda, Contra Costa, San Joaquin, Sacramento, Marin, Sonoma, Napa, and Solano.

In giving the replies we wish to thank the engineers supplying the information for their ready co-operation in making this series possible and instructive. The attitude of engineers to publicity is rapidly changing, and the modern engineer of today is availing himself of every legitimate opportunity to call the attention of the public to the engineering achievements, be they ever so small and humble. Thank you gentlemen and brother engineers.

BUILDING & ENGINEERING NEWS.

Per Engineering Editor.

Building & Engineering News,
Engineering Editorial Dept.
Gentlemen:

As per your recent letter: Am attaching hereto the information requested, concerning the Good Roads and Road Bond Issues of Los Angeles County.

Yours very truly,

GEO. W. JONES,

Acting Road Commissioner.

County Good Roads Bond Issue of Los Angeles County.

Year of Issue—1908, July 10.
Amount of issue—\$3,500,000.
Miles of roads improved—239.07.
Miles of oil macadam—299.07.
Bridges built as part of bond issue—\$225,859.04.

Amount Spent on Good Roads in Los Angeles County to June, 1919.

Built under	Length	Cost
Old Bond Issue of 1908.....	299.07	\$3,500,000
Road District Improvement Act of 1907.....	151.91	1,850,000
County General Road Fund.....	242.81	2,920,000
Total.....	693.79	\$8,270,000
Road District Improvements.....		
Oiled macadam (22' wide).....	101.59	
Concrete (18' to 24' wide).....	34.48	
Disintegrated Granite.....	10.11	
Graded Dirt Roads.....	5.73	
Total.....	151.91	
General Fund—		
Oiled macadam (22' wide).....	421.86	
Concrete (18' to 24' wide).....	38.67	
Disintegrated Granite.....	8.73	
Graded Dirt Roads.....	5.62	
Total.....	474.88	
Built by County Road Maintenance Dept.—		
Disintegrated Granite.....	67.00	
Oiled and Dirt Roads.....	3325.00	
Total.....	3392.00	
	151.91	
	474.88	

Grand Total mileage..... 4018.79

These figures include all roads built by the County and taken over by the State and by Cities.

FOREIGN TRADE OPPORTUNITIES.

[Reserved addresses may be obtained from the Bureau and its district and co-operative offices. Request for each opportunity should be on a separate sheet and state opportunity number. The Bureau does not furnish credit ratings or assume responsibility as to the standing of foreign inquirers; the usual precautions should be taken in all cases. Symbols: *Reported by American consular officers; †re-

ported by commercial attaches and trade commissioners; ‡Direct inquiries received by the Bureau.]

31183. Building Materials.—A merchant in Argentina desires to purchase iron in bars, woods, construction materials, copper wire, hardware in general, and will also accept commissions, shipments, and agencies. References.

31185. Machinery.—A commercial agent in Columbia desires to secure an agency for the sale of agricultural implements and machinery, and paints. References.

31314. Motors, Building, Materials, Etc.—A firm in Canada desires to secure the sole agency for the sale of first-class gas engines for fishing boats, and to purchase, with agency rights, the following: Fishermen's outfits and equipment, such as halibut hooks, nets for salmon fishing, ropes, blocks, pulleys, rubber boots, coats, trousers, hats and all supplies for outfitting fishing fleets; medium and low priced motor cars and trucks; medium priced metal ceilings, metal laths, steel mantels, cornices, and similar products for building purposes; iron, steel and tile pipe for drains, sewers, etc.; and also roofing materials, and tiles for constructing buildings and dwellings. Quotations should be given c. i. f. destination. Terms, cash for first order. Reference.

31324. Manufacturers' Machinery.—A firm of manufacturers' agents in Australia desires to secure agencies for

an agency for the sale in Southern Russia of machine tools and overhead equipment for machine shops. Reference.

31325. Hardware.—A company in China desires to purchase hardware and tools, a list of which may be obtained from the bureau or its district offices. Quotations should be given c. i. f. Chinese port. Payment, through bank in New York. Reference.

31344. Agricultural Implements, Etc.—An agency is desired by a man from Brazil who will be in the United States for the next few months for the sale in his country of agricultural implements, dairy machinery, tractors, stump pullers, cotton gins, baling presses, seed-crushing machinery, automobiles, motor cycles, typewriters, check writers, and cord and rope. Reference.

31158. Hardware, Etc.—A commercial agent from Australia desires to purchase and secure agencies for the sale of hardware, draperies, electrical goods, tools, stoves, clothing, dry goods, hosiery, knit goods, cosmetics, and pumps. Reference.

31212. Glassware.—A commercial merchant in Cuba desires to secure the representation of manufacturers for the sale of glassware, chinaware, crockery, enamel ware, hardware, paper, wearing apparel, furniture, toys, hosiery, shoes, notions, men's caps for traveling caps and clothes for children, dress shirts and work shirts for men, and handkerchiefs. Reference.

31229. Elevators.—A firm in Argentina desires to secure agencies for the sale of elevators for large buildings. Correspondence may be in English. References.

31234. Hardware.—An agency is desired by a commercial agent from Australia who is soon to be in the United States, for hardware, aluminum goods, leather, artificial leather, tools, etc. He also desires to represent an American export and import commission house in Australia. References.

31304. Machinery.—An American firm of purchasing agents for a manufacturing company in Brazil desires to secure catalogues and quotations in duplicate for the purchase of machinery for the production of bottles of all descriptions, window glass, insulators, etc.

BRIDGE PLANS COMPLETED.

RED BLUFF, Tehama Co., Cal.—Plans and specifications for the proposed Coyote Creek will be sent to the State Highway Commission for approval. It was decided at the last meeting of the County Supervisors. It is probable that the structure will be built by day labor. H. G. Kuhn is County Clerk.

DEPUTY CITY ENGINEER FOR SACRAMENTO NAMED.

SACRAMENTO, Cal.—Dan R. Cate has been appointed by City Engineer Frank C. Miller to fill the position of Deputy City Engineer Carl L. Knight, who has resigned to take up work with the Filtration Plant staff recently organized under the bond issue to finance construction of a water filtration plant for this city.

ARBuckle, Colusa Co., Cal.—E. Ellis and wife of Arbuckle have purchased an entire block of twenty lots in East Arbuckle on which they plan the erection of cottages to be sold under the easy payment plan.

the sale of all kinds of manufacturers' machinery, such as automatic packing and measuring machines, wrapping machines, and all machinery used by manufacturing chemists, grocers, and confectioners. The firm is able to quote for machinery set up in running order which is an asset in case of machines not previously on the Australian market. Reference.

31331. Machinery.—An American concern which is soon to install machine shops in Russia desires to secure

ADVANCE NEWS

Official Proposals, Etc.

BUILDING.

APARTMENT HOUSES

Contract Awarded.
APARTMENTS Cost, \$48,000
HOLLYWOOD, Los Angeles Co., Cal.
 Franklin Avenue and Grover St.
 Two-story frame and plaster apartment house, 75x127 (34 rooms, 8 apts.), also garages.

Owner—John Ingelman, 2154 Beachwood Drive, Los Angeles.
 Architect & Contractor—De Luxe Bldg. Co., 621 Union League Bldg., Los Angeles.

Plans Complete.
APARTMENTS Cost, \$—
FRESNO, Fresno Co., Cal. Franklin & "I" Streets.

Four-story reinforced concrete apartment house; 3 two-story frame apartments houses and several 1 and 2 story frame bungalows.
 Owner—John Manning, 924½ "J" St., Fresno.

Architects—Weeks & Day, Phelan Bldg. Phelan Bldg., San Francisco.
 The owner, Mr. Manning, is a contractor and will take sub-figures on portions of the work.

Plans Being Prepared.
APARTMENTS Cost, \$125,000
FRESNO, Fresno Co., Cal. NW "N" and Kern Streets.

Four-story fireproof apartments, 50x159.
 Owner—J. Crick, 1100 Van Ness Ave., San Francisco, and Robert T. Boyd, Merced, Cal.

Architects—Glass & Butner, Cory Bldg., Fresno.
 Plans will be figured by San Francisco and Fresno contractors.

Contract Awarded.
APARTMENTS Cost, \$5,000
HANFORD, Kings Co., Cal. Center and Redington Streets.

One-story frame (3) apartments, 35x70.
 Owner—Miss Carlen Malone, Hanford.
 Architect—Not Given.
 Contractor—Walter B. Holland, Hanford.

Plans Being Prepared.
APARTMENT COURT Cost, \$70,000
HOLLYWOOD, Los Angeles Co., Cal.
 Wilcox Avenue.

One and two-story frame houses for apartment court (38 apts. of 2 rooms each) also garages.

Owner—W. H. Turill.
 Architects—Wm. Curlett & Son, 518 Merchants National Bank Bldg., Los Angeles.

Plans Being Completed.
APARTMENTS Cost, \$300,000
PORTLAND, Ore. Tenth and Main Sts.
 Brick and terra cotta apartments (31 suites of 2 and 4 rooms each) 150 x100.

Owner—C. V. Everett et al.

Architects—Ellis F. Lawrence and W. G. Holdford, Chamber of Commerce Bldg., Portland, Ore.

Sketches Being Prepared.
ALTERATIONS Cost, \$—
SAN FRANCISCO, California Street near Divisadero.
 Alter frame flats into (6) apartments.
 Owner—Withheld.
 Architect—C. C. Dakin, 110 Sutter St., San Francisco.

FRESNO, Cal.—Edward Hertweck, 1031 "Q" St., Fresno, has purchased the Marshall brick apartment house at 1025 "P" street, and will add a second story at a cost of \$25,000, providing 10 additional apartments.

Plans Being Prepared.
APARTMENTS Cost, \$25,000
OAKLAND, Alameda Co., Cal.
 Two-story frame apartment house (7 apts. 1 5-room and 6 3-room).
 Owner—Withheld.
 Architect—A. A. Cantin, 68 Post St., San Francisco.

Contract Awarded.
APARTMENTS Cost, \$—
FRESNO, Fresno Co., Cal. Corner Van Ness and Alhambra Streets.
 Two-story frame and stucco (4) apartments, 62x74, 6 rooms each.
 Owner—Louis Scholler, 1408 "L" St., Fresno.

Architect—Robert Hotchkin, Rowell Bldg., Fresno.
 Contractor—Emmett Riggins, Mason Bldg., Fresno.

BANKS

Segregated Figures to be Taken This Week.

BANK BLDG. Cost, \$100,000
HEALDSBURG, Sonoma Co., Cal. West and Powell Streets.
 One-story brick and hollow tile bank building, 60x100.
 Owner—Healdsburg National & Savings Bank.

Architect—Fred'k. H. Meyer, Bankers' Invst. Bldg., San Francisco.

Contract Awarded
INTERIOR WOOD WORK Cost, \$14,000
SAN FRANCISCO, NE Market and Sansome Streets.

Interior fixtures and wood work for alterations to bank building.
 Owner—Anglo California Trust Co.
 Architects—H. H. Winner Co., Humboldt Bank Bldg., San Francisco.
 Contractor—Fink & Schindler, 226 13th St., San Francisco.

LOS BANOS, Merced Co., Cal.—The Folsom Street Iron Works, 18th and Treat Ave., San Francisco, have been awarded a contract for the ornamental iron and Fenestra sash for the new one-story Class "A" bank building for the First National Bank at Los Banos.

Plans were prepared by Architect Frank Mayo of Stockton. The Mayo, Schutes & Zinck Co. of Stockton have the general contract.

BONDS

YREKA, Siskiyou Co., Cal.—Bids will be received by W. J. Nelson, Clerk of the Board of Supervisors, up to January 5th, 1920, for the purchase of the \$13,000 bond issue of the Edgewood School District. Proceeds of the sale will finance school improvements.

BERKELEY, Alameda Co., Cal.—Bids will be received by County Clerk Geo. E. Gross, Oakland, up to December 29th, 10 A. M., for the purchase of \$500,000 in bonds to finance construction of new schools and additions for the Berkeley School District.
 A. G. Briggs is City Clerk of Berkeley.

OAKLAND, Cal.—The Bank of Italy has purchased from the Alameda County Supervisors the \$370,000 worth of Oakland High School and \$445,000 grammar school bonds, which will finance construction of school improvements.

MODESTO, Stanislaus Co., Cal.—Bonds of \$289,000 for street, storm sewers, an addition to filter beds in connection with the sewers and for the extension of the present water system were voted at the election held recently.

Five other propositions including \$50,000 for an aviation field and fair grounds were defeated by a narrow margin.

HANFORD, Kings Co., Cal.—Bids will be received by the County Supervisors up to December 29th, 2 P. M., for the purchase of the recently voted bonds issue to finance school improvements.

Bids for the \$350,000 issue of the Hanford Union High School District will be opened on the same date at 11:30 A. M.

Architect Ernest J. Kump, Rowell Bldg., Fresno, has been in Hanford seeking a commission to prepare plans for a portion of the work planned under the sale of the bonds.

VISALIA, Tulare Co., Cal.—The County Supervisors at their last meeting sold the following bond issues of Tulare County School Districts: Strathmore Union High School District—Bonds of \$85,000.

Allila School District, \$12,000.
 Welcome School District, \$2,000.
 Lake View School District, \$8,000.
 The latter three are grammar school districts. Ernest J. Kump of Fresno is the architect for the Strathmore school.

REDWOOD CITY, San Mateo Co., Cal.—The County Supervisors have received a request from McDonnell & Co., asking the return of its certified check covering the purchase of the \$23,000 bond issue of the Visitation School District. It is stated that the sale was illegal.

Plans for the building to be erected

American Association of Engineers

The Technical Engineers' Service Organization.

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63 East Adams St.

Chicago, Ill.

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--------------------	-----------------

Chapter Meeting Night, First Thursday Every Month at 7:30 P. M.

Commercial Club, Merchants Exchange Bldg.

Committee Meeting Every Friday, 7:30 P. M. at Chapter Office.

A. G. Mott, Secretary

San Francisco Chapter Office, 700 Marston Bldg.

244 Kearny St., S. F.

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FLATS

Plans Being Prepared.
FLATS Cost, \$20,000
LOS ANGELES, Cal. Harvard Blvd.
 bet. Third and Fourth Sts.
 Two-story frame and plaster (4) flats
 49x77 (6 rooms and 2 baths each).
 Owner—Dr. John McCoy.
 Architects—Edw. Cray Taylor and Ellis
 W. Taylor, Engineer, Merritt Bldg.,
 Los Angeles.

GARAGES

Plans Being Prepared.
GARAGE Cost, \$15,000
SAN FRANCISCO.
 One-story reinforced concrete garage.
 Owner—Withheld.
 Architect—O. E. Evans, 2569 Mission
 St., San Francisco.

Preliminary Plans Being Prepared.
GARAGE Cost, \$30,000
SAN FRANCISCO, Washington Street
 near Steiner.
 Two-story and basement Class "C"
 garage.
 Owner—Louis Rothenberg.
 Architect—Fred'k. H. Meyer, Bankers'
 Invest. Bldg., San Francisco.

Building Permit Granted.
GARAGE Cost, \$17,000
MODESTO, Stanislaus Co., Cal. Corner
 Tenth and F Streets.
 One-story reinforced concrete garage,
 100x140.
 Owner—W. E. Kewin, Modesto, Cal.
 Architect—Not Given.
 Contractor—Ernest Green, Modesto.

New Plans Being Prepared.
GARAGE Cost, \$50,000
SAN FRANCISCO, W. Dolores Street
 from Market to 14th Streets.
 One-story and basement reinforced
 concrete garage.
 Owner—Savings Union Bank & Trust
 Co., O'Farrell and Grant Ave., San
 Francisco.
 Architect—Arthur S. Bugbee, Sharon
 Bldg., San Francisco.
 Manager & Construction—C. R. Collopy
 Care Savings Union Bank & Trust
 Co., will take segregated figures in
 about two weeks.

WOODLAND, Yolo Co., Cal.—E. W.
 Armfield, Hampton Roberts and Wm.
 Dahler, all of Woodland, have pur-
 chased a lot, 40x190 feet, adjoining
 their present garage building and will
 erect an addition in the Spring, the
 work to be under the supervision of
 Contractor Younger of Woodland.

Plans Ready for Figures Shortly.
GARAGE Cost, \$40,000
VISALIA, Tulare Co., Cal. Locust and
 Acquia Streets.
 One-story reinforced concrete garage.
 Owner—Jos. Seabright.
 Architects—Glass & Butner, Cory Bldg.,
 Fresno.

Plans Being Figured.
GARAGE Cost, \$17,000
PORTLAND, Ore. Morrison and Stout
 Streets.
 Two-story and basement concrete, hol-
 low tile and brick garage.
 Owner—Keeney Bros.
 Architect—E. Bergholtz, Spalding Bldg.,
 Portland.

Ready for Figures Shortly.
ADDITION Cost, \$10,000
SAN FRANCISCO, Potrero Avenue.
 One-story reinforced concrete addition
 to factory.
 Owner—Jewell Steel Malleable Co., 1375
 Potrero Ave., San Francisco.
 Architects—Ward & Blohme, 454 Cal-
 ifornia St., San Francisco.

Contracts Awarded. Carpentry and
 Brick Work to be Figured Next
 Week.
ADDITION Cost, \$228,000
SAN FRANCISCO, Second and Bryant
 Streets.

Five-story mill construction with steel
 tower addition to lithograph plant
 also a steel and concrete press room
 building, 80x125, in rear.
 Owner—Schmidt Lithograph Co., Prem.
 Manager of Construction—Frederick
 Whitton, 369 Pine St., San Fran-
 cisco.

Steel awarded to Dyer Bros., 17th and
 Kansas Sts.
Concrete Work to Anderson & Ring-
 rose, 320 Market St.
 Pavementing being done by Sibley Grad-
 ing & Teaming Co.
 Figures will be taken next week for
 carpentry and exterior brick work.

Plans Being Figured.
WAREHOUSE Cost, \$30,000
LOS ANGELES, Los Angeles Co., Cal.
 No. 1275 Factory Place.
 One-story and mezzanine floor brick
 warehouse, 100x300.
 Owner—Philip L. Wilson.
 Architect—Edw. Cary Taylor and Ellis
 W. Taylor Engineer, Merritt Bldg.,
 Los Angeles.

Plans Being Prepared.
CANNERY Cost, \$335,000
GRIDLEY, Butte Co., Cal. 13 acres of
 land.
 One-story brick and concrete cannery,
 600x160.
 Owner—Libby, McNeil & Libby.
 Architect—Washington J. Miller, 417
 Market St., San Francisco.

Engineers of the company have al-
 ready completed tests of the ground
 preparatory to commencing the founda-
 tion work.

Contract Awarded.
LAUNDRY Cost, \$—
SANTA CRUZ, Santa Cruz Co., Cal.
 Front Street near Short.
 One-story laundry, 60x150.
 Owner—W. O. Kerrick, 125 Morrissey
 St., Santa Cruz.
 Architect—Not Given.
 Contractor—George W. Reid, 74 Locust
 St., Santa Cruz.

Contract Awarded.
FACTORY Cost, \$66,500
SAN FRANCISCO, NE Sixth and Clara
 Streets.
 Three-story and basement brick fac-
 tory building.
 Owner—Hamburger Estate.
 Architect—T. Paterson Ross, 310 Cal-
 ifornia St., San Francisco.
 Contractor—A. W. Lawson, 180 Jessie
 St., San Francisco.

Plans Being Prepared.
WAREHOUSE Cost, \$—
OAKLAND, Alameda Co., Cal.
 One-story brick warehouse.
 Owner—Withheld.
 Architect—A. W. Smith, 1010 Broad-
 way, Oakland.

from the proceeds of the sale have been
 prepared by Architect Ernest Norberg,
 742 Market St., San Francisco.

CHURCHES

Plans Being Prepared.
ALTERATIONS, ETC. Cost, \$25,000
BERKELEY, Alameda Co., Cal. Dana
 and Channing Way.
 Three-story frame and plaster annex
 and alter present church (lower
 choir loft and alter interior).
 Owner—First Presbyterian Church,
 Berkeley.
 Architect—Geo. Rushforth, 354 Pine
 St., San Francisco.

FACTORIES & WAREHOUSES

Plans Prepared.
FACTORY Cost, \$—
PORTLAND, Oregon.
 One-story heavy timber frame "Ready-
 built House" factory.
 Owner—Aladdin Co., 607 Yeon Bldg.,
 Portland.
 Architect—A. I. Lamb, Engineer, Alad-
 din Co., 607 Yeon Bldg., Portland.

SACRAMENTO, Cal.—J. E. Clark,
 representing the Hart-Parr Company
 of Charles City, Ia., is in Sacramento
 seeking a site on which the company
 plans the erection of a huge tractor
 plant, warehouse, and other buildings.
 The company has already opened
 temporary offices at Eighth and L Sts.,
 Sacramento.

Preliminary Plans Being Prepared.
WAREHOUSE Cost, \$100,000
SAN FRANCISCO, South of Market
 Street.
 One-story reinforced concrete ware-
 house.
 Owner—Withheld.
 Architect—C. A. Meussdorffer, Hum-
 boldt Bank Bldg., San Francisco.
 NOTE—Construction will not be
 started until Spring.

SAN FRANCISCO—City Architect
 John Reid Jr. reports the completion
 of plans and specifications for a
 freight elevator to be installed in the
 warehouse of the Board of Education
 on Sutter street, between Gough and
 Octavia streets.

A call for bids will be issued by the
 Board of Public Works covering this
 work within the next few days.

Plans to Be Prepared.
PACKING PLANT Cost, \$500,000
PORTLAND, Ore. Adjoining site of
 Pacific International Livestock As-
 sociation.

Group of fireproof buildings for pack-
 ing plant.
 Owner—Sterrett Packing Co., J. L.
 Sterrett, President, Portland, Ore.
 Architect—Not Yet Selected.
 Others interested in the Sterrett
 Packing Co. are:
 George Dickson, cattlemen and cap-
 italist of Princeville and George W.
 Warren of Warrenton.

Preliminary Sketches Being Prepared.
WAREHOUSE Cost, \$100,000
SAN FRANCISCO, Second Street S of
 Harrison.
 Fireproof warehouse.
 Owner—Withheld.
 Architect—C. C. Dakin, 110 Sutter St.,
 San Francisco.

GOVERNMENT WORK AND SUPPLIES

SUPPLIES FOR THE NAVY.—Navy Department, Bureau of Supplies and Accounts, Washington, D. C.—Sealed bids will be received here for furnishing supplies under schedules as follows:

Schedule 5157, eastern and western yards, 10 coal burning ranges, opening of December 26.

Schedule 5161, eastern and western yards, calcium carbide, opening of December 19.

Schedule 5179, Puget Sound, steel pipe and casing, opening of December 30.

Schedule 5180, Puget Sound, brass pipe and copper tubing, opening of December 30.

Schedule 5181, Puget Sound, 1 steam whistle and steam siren, opening of December 30.

Schedule 5182, Puget Sound, 670 cubic yards yellow silica sand, opening of December 26.

Schedule 5185, for Mare Island, 1 oil-cooled transformer, opening of December 23.

Schedule 5187, eastern and western yards, pneumatic rivet sets, opening of December 30.

Schedule 5188, eastern and western yards, pneumatic chisel blanks, opening of December 23.

Schedule 5189, eastern and western yards, various kinds of vises, opening of December 23.

For further information address the bureau of supplies and accounts, Navy Department, Washington, D. C.

WASHINGTON, D. C.—The following bids were received November 26 at the Puget Sound Navy Yard under Yards and Docks specification 3983 for temporary storage building at Puget Sound, Wash.:

Item 1, work complete; 2, deduct for omitting all work under heading R. R. extension; 3, deduct for each interior bay omitted; 4, railroad extension; 5, add to or deduct from item 1 for each cu. yd. concrete for foundations of pyrotechnical storehouse more or less than that required by drawings; 6, do, excavation; 7, add or deduct using alternate columns for standard storehouse.

Puget Sound Bridge and Dredging Co., item 1, \$51,350, 180 days; 2, \$1,400; (3) \$1,200; (4) \$1,800, 60 days; (5) \$32.60, 6, \$2.10; 7, \$400, 150 days; (8) \$51,350, 150 days.

Dogan & Christman, (1) \$53,800, 200 days; (2) \$1,700.

The Foundation Co. (1) \$56,000, 180 days; (2) \$2,130; (3) \$4,600; (4) \$2,130, 30 days; (5) \$1,600; (6) \$2; (7) \$242.

Porter Bros. Co. (1) \$87,476, 120 days (2) \$3,581; (3) \$2,068; (4) \$3,581, 60 days; (7) \$85.

Contract Awarded. Sub-Figures Being Taken.

POST OFFICE, ETC. Cost, \$1,100,000 HONOLULU, Hawaiian Islands.

Four-story Class "A" Post Office, Court House and Custom House.

Owner—United States Government.

Architects—York & Sawyer, New York. Contractor—Hawaiian Contracting Co., Honolulu, Chief Engineer, E. S. Cykler, Nevada Bank Bldg., San Francisco.

Mr. Cykler leaves for Honolulu on Saturday and is taking sub-figures on terra cotta, tile, hardware, plumbing,

painting and plastering.

The steel contract has been awarded to The American Bridge Co., Hialto Bldg., San Francisco.

SAN FRANCISCO.—Col. J. M. Kennedy, commanding officer of Letterman General Hospital, is outlining a building program for new buildings to be erected in the future. Col. Kennedy stated yesterday that construction probably would not start for more than a year as a special appropriation would have to be made by the War Department.

Construction of a chapel, new post exchange, mess halls and a hospital auditorium and other improvements are planned.

Revised Plans Being Figured. Bids Close Dec. 23, 1919.

CENTRAL BLDGS. Cost, \$190,000 SAN DIEGO, Cal. Marine Brigade Post, Dutch Flats.

One-story reinforced concrete central building. Specification No. 4047. Architect—United States Government.

All bids received on November 26th have been rejected and revised figures called for.

Lange & Bergstrom submitted the lowest bid at \$231,000.

Plans may be obtained from the Public Works Office of the Twelfth Naval District at San Diego.

SAN FRANCISCO.—The following bids were received by Supervising Superintendent of Construction J. W. Roberts, P. O. Bldg., for erecting new partitions on the 4th floor and rooms 217 and 244 of the main Post Office building, 7th and Mission Sts., San Francisco:

Barrett & Hilp.....	\$3,237
A. H. Vogt.....	3,443
Ostlund & Johnson.....	3,717
Thos. F. Dowd.....	3,741

WASHINGTON, D. C.—The following bids were received at the Bureau of Yards and Docks, Navy Department, Washington, D. C., December 3, Specification 4077, for constructing radio towers at Keyport, Wash.

Foundation Co., 2501 Smith Bldg., Seattle, Wash., item 1, \$42,468, 180 days; item 2, 50c.

Pittsburgh-Des Moines Steel Co., Munsey Bldg., Washington, D. C., (1) \$68,800, 210 days; (1a) \$48,400, 210 days; (2) add \$1.50; deduct 75c.

Garrick & Garrick Co., 403 Central Bldg., Seattle, Wash. (1) \$4,569, 120 days; (2) 50c.

WASHINGTON.—The construction of a complete chain of government hospitals to care for the wounded has been asked of Congress by Surgeon General Blue, appearing before the House Appropriations Committee. Blue estimated the cost at \$85,000,000 and the capacity of 23,000 beds.

The contract for furnishing cement for use in the construction of the U. S. marine hospital, San Francisco, has been awarded to the Old Mission Portland Cement Co., Mills Bldg., San Francisco, at \$2,799.17.

The bid of the Olson-Mahony Lumber Co., 5th and Hooper Sts., San Francisco, at \$6,243, has been accepted for furnishing lumber to be used in the above building.

The contract for furnishing millwork

for use in the above building has been awarded to the National Mill & Lumber Co., 818 Market street, San Francisco, at \$6,037.

The contract for furnishing plumbing fixtures for kitchen and messhall in the same building has been awarded to The John Douglas Co., Washington, D. C., at \$3,943.30. The material is to be shipped in 60 days.

WASHINGTON, D. C.—All bids received by the Supervising Architect, Treasury Department, for furnishing roofing slate for the U. S. Marine Hospital, San Francisco, have been rejected. Slate roofing is not to be used for this work.

CLASS "A" BLDGS. Cost, \$200,000 Contract Awarded.

FORT SHAPTER, Hawaii Arsenal. Nine one-story Class "A" buildings for Ordnance Department (reinforced concrete foundations, tile walls, plaster exterior and interior, steel roof trusses, asbestos protected metal roofs.)

Owner—United States Government.

Contractor—Hawaiian Contracting Co., Honolulu. E. S. Cykler, Chief Engineer, Care S. F. Bridge Co., Nevada Bank Bldg., San Francisco.

Mr. Cykler calls for Honolulu on Saturday and is taking sub-figures for structural steel, reinforcing materials, steel sash and doors.

All other materials have been contracted for.

HALL & SOCIETY BUILDINGS

Preliminary Plans Prepared.

ADDITION Cost, \$200,000 SAN FRANCISCO. N Sutter Street W of Mason.

Six-story and basement Class "C" addition, 68-9x137-6 to club building.

Owner—Women's Athletic Club, Prem. Architects—Bliss & Faville, Balboa Bldg., San Francisco.

SACRAMENTO, Cal.—The Sacramento Elks Lodge is contemplating the erection of a new lodge building in Sacramento the present quarters being unable to house the growing membership. A committee has been appointed to go into details regarding the new structure.

It is proposed to sell the present \$200,000 structure at J. Eighth and Ninth streets and place the proceeds of the sale toward erecting the new building.

RICHMOND, Contra Costa Co., Cal.—Application has been made to the State Corporation Department by the Redmen's Hall Association of this city to issue stock with which to secure funds for the erection of a new lodge building. The Board of Directors of the Association are:

Ira N. Jarvis, Daniel A. Noziglia, Fred L. Krieg, Emil J. Esola, John A. Miller, Arthur C. Blount all of Richmond and Hugh J. McCauley of Winehaven.

A site in Seventh street between Macdonald and Bissell avenues has already been secured.

Plans Being Prepared.

ALTERATIONS Cost, \$16,000 SAN FRANCISCO. No. 233 Grant Ave.

BUILDING AND ENGINEERING NEWS

Alter 4th floor of building into hall and club rooms.
Owner—Withheld.
Architect—Smith O'Brien, Bankers' Investment Bldg., San Francisco.

FRESNO, Fresno Co., Cal.—Articles of Incorporation for the Fresno Labor Temple Association are being prepared by Attorney Glen M. De Vore, 1286 Del Mar street, Fresno.

The company will be capitalized at \$300,000 and plans the erection of a \$200,000 labor temple in Fresno.

SALINAS, Monterey Co., Cal.—The Salinas Lodge of Elks, No. 614, has appointed the following as a building committee to gather data for the proposed new lodge building:

Fred Weybret, Chairman; A. Marasch, George S. Gould Jr., William Thiele, Julian Nichols, G. Lemon, F. E. Dayton, H. F. Cozzens, H. E. Abbott, C. R. Melander, E. W. Palmtag, R. L. Hughes, J. F. Echeverry, R. I. Orr, and H. B. Burns.

Fred Weybret is Exalter Ruler of the Lodge.

HOSPITALS

Contract Awarded.
NURSES' HOMES Cost, \$91,865
LOS ANGELES, Cal. County Hospital.
Six two-story frame nurses' homes.
Owner—Los Angeles County.
Architect—None.

Contractor—Fred R. Johnson, H. W. Hellman Bldg., Los Angeles.

Howe Bros. were awarded the contract at \$15,907 for the plumbing work. The electrical wiring bids were rejected.

Plans Being Figured. Bids Close Jan. 6th, 1920, 11 A. M.
STORAGE SYSTEM, ETC. Cost, \$—
FAIRFIELD, Solano Co., Cal. County Hospital Grounds.

Water supply and storage system for County Hospital.
Owner—County of Solano. G. G. Halliday, County Clerk.

Architect—Chas. E. Perry Jr., 1209 Sutter St., Vallejo.
Plans may be seen at the office of the County Clerk at Fairfield.

FAIRFIELD, Solano Co., Cal.—The Marshall-Newell Supply Co., Spear and Mission streets, San Francisco, have been awarded a contract by the Solano County Supervisors for furnishing and installing hardware in the new county hospital building, they being low bidders at \$3,298.80. The only other bid was submitted by Dunham, Carrigan & Hayden Co., of San Francisco, at \$4,020. G. G. Halliday is County Clerk.

HOTELS

Contract Awarded.
ALTERATIONS Cost, \$63,420
MERCED, Merced Co., Cal. Seventeenth and "M" Streets.

Reconstruction of hotel, converting same into sixty rooms with 30 baths.

Owner—Hotel Merced.
Lessee—Howard & Jones.
Architect—A. W. Cornelius, Merchants' National Bank Bldg., San Francisco.

Contractor—C. A. Tornelli, Turlock.

Plans Being Prepared.
ADDITION Cost, \$—
RIVERSIDE, Cal. Mission Inn.
Three-story and basement reinforced concrete hotel addition.
Owner—Frank Miller.
Architect—Arthur R. Benton, 114 North Spring St., Los Angeles.

Contracts Awarded.
ALTERATIONS Cost, \$20,000
SANTA CRUZ, Santa Cruz Co., Cal. Pacific Avenue.

Alterations for hotel.
Owner—Hotel St. George.
Architects—O'Brien Bros., 240 Montgomery St., San Francisco.

Structural Iron Work to Pacific Structural Iron Co., San Francisco.

Marble Work to J. E. Bach, 1533 47 San Bruno Ave., San Francisco.

Mill Work to D. O. Druffel, San Francisco.

Ready For Figures In Two Weeks.
HOTEL Cost, \$100,000

BYRON, Contra Costa Co., Cal. Byron Hot Springs.

Two-story frame hotel, garage, enlarge swimming tank and baths, new club house, golf links, alter and redecorate present hotel and alterations to other buildings.

Owner—Johr Tait, San Francisco.
Architects—Ward & Blohme, 454 California St., San Francisco.

The hotel and a portion of the other work will be figured in two weeks.

Plans Being Figured.
HOTEL Cost, \$—
BISHOP, Inyo Co., Cal.

Two-story concrete and frame hotel (80 rooms with 60 bathrooms).

Owner—Merrill Inn Hotel Co., Bishop. Architect—Karl D. Schwendener, 1316 Washington Bldg., Los Angeles.

Separate bids will be taken for the general work, plumbing, heating and wiring.

Contract Awarded.
HOTEL Cost, \$750,000
PHOENIX, Ariz. Central Avenue bet. Monroe and Van Buren Sts.
Eight-story and basement reinforced concrete hotel building, 138x205.

Owner—Geronimo Hotel Co.
Architects—Postle & Fischer, 140 S. Dearborn St., Chicago, Ill.

Contractor—Paschen Bros., 111 West Washington St., Chicago, Ill.

J. H. Christain, S. J. Buckingham and the Jordan, Grace & Phelps Co. of Phoenix, are the chief promoters of the project. The M. T. Grier Hotel Co. will operate the hotel.

Plans Being Figured.
ADDITION Cost, \$25,000
MARYSVILLE, Yuba Co., Cal. No. 200 "D" Street.

One-story brick addition (23 rooms) to three-story hotel.

Owner—Western Hotel Co., Premises. Architect—August G. Headman, Call Bldg., San Francisco.

NOTE.—Figures are being taken for a general contract.

POWER PLANTS

Contract Awarded.
SUB-STATION Cost, \$111,000
RICHGROVE, Tulare Co., Cal.
Reinforced concrete sub-station, 67x131 (54 feet high).

Owner—Southern California Edison Co.
Architect—Eng. Dept. of Owners.
Contractor—Macdonald & Driver, 608 Hibernian Bldg., Los Angeles.

Owners Taking Figures.
SERVICE STATION Cost, \$3,500
SAN FRANCISCO. NW Mission and Brooks Streets.

One-story frame service station.

Owner—Mission-Battery Service Co., 3494 Mission St., San Francisco.

Architect—None.

PUBLIC BUILDINGS

FRESNO, Fresno Co., Cal.—No bids were received by the County Supervisors for the construction of two reinforced concrete comfort stations for the court house park.

Protests were received by the Board against the erection of the buildings from plans prepared by City Building Inspector James. It was shown that both the State sanitary laws and city building laws were violated under the plans of James and after consideration the Supervisors instructed Architects and Engineers Swartz & Ryland, Rowell Bldg., Fresno, to prepare plans for the structures, the cost not to exceed \$20,000. D. M. Barnwell is County Clerk of Fresno County.
(31132) 1st report Oct. 27; 4th Nov.

LOS ANGELES, Cal.—The City Council has adopted a resolution urging the State Board of Control to incorporate an item of not less than \$2,000,000 in the next budget to finance construction of a building to house state offices. The renting of numerous private offices in the city are being maintained in excess of the interests and upkeep on the proposed investment, according to the resolution.

SALINAS, Monterey Co., Cal.—George S. Gould Jr., Dr. Garth Parker, C. R. Melander, Howard F. Cozzens and E. W. Palmtag have been appointed as a committee to devise ways and means of securing funds with which to erect a memorial building for soldiers and sailors who lost their lives in the war.

A. C. Hughes is Chairman of the Advisory Committee, which has the project in hand.

PARLIER, Fresno Co., Cal.—The Chamber of Commerce is backing the American Legion in a campaign to secure funds with which to erect a memorial building to contain gymnasium, reading rooms, dance hall, etc.

RESIDENCES

Segregated and General Figures Being Taken.

RESIDENCE Cost, \$40,000
SAN FRANCISCO. SW Pacific Avenue and Lyon Street.

Two-story basement and attic frame and plaster residence.

Owner—Leo J. Clayburgh.
Architects—Willis Polk & Co., Hobart Bldg., San Francisco.

Plans Ready for Figures.
RESIDENCE Cost, \$5,000

WILLOW CAMP, Marin Co., Cal.

One-story, attic and basement frame country residence (5 rooms, 2 baths, showers, garage and sleeping porch). Swiss Chalet.

Owner—Withheld.

Architect—L. A. Lapachet, 110 Sutter St., San Francisco.

Plans Completed. Owner to Take Segregated Figures.

RESIDENCE, ETC. Cost, \$4,500
SAN CARLOS, San Mateo Co., Cal.
One-story frame residence and garage (6 rooms).

Owner—Wm. C. McElroy.

Architect—O. E. Evans, 2569 Mission St., San Francisco.

Plans Completed. Owner to Take Segregated Figures.

RESIDENCE, ETC. Cost, \$4,000
SAN FRANCISCO. W Madrid 100 S Excelesior.

One-story 5-room frame residence and garage.

Owner—A. Sordelli.

Architect—O. E. Evans, 2569 Mission St., San Francisco.

Preliminary Plans Being Prepared.

RESIDENCE Cost, \$30,000
SAN FRANCISCO. Broadway near Baker.

Two-story and basement frame and plaster residence.

Owner—S. B. Hinds, Nevada Bank Bldg., San Francisco.

Architect—Fred'k. H. Meyer, Bankers' Invest. Bldg., San Francisco.

To Be Done by Days Labor.

RESIDENCES Cost, \$4,000 each
MODESTO, Stanislaus Co., Cal.
Four 1-story frame residences (rustic exterior).

Owner—Martin Nelson, Modesto.

Architect—Chas. Strothoff, 2276 15th St., San Francisco.

Plans Being Prepared. Ready for Figures Shortly.

DWELLINGS Cost, \$6,500 each
SAN FRANCISCO. Parkside.

Two one-story and basement frame and plaster dwellings and garages.
Owner—Parkside Realty Co.

Architect—Chas. Strothoff, 2276 15th St., San Francisco.

Being Done by Day Labor.

RESIDENCES Cost, \$10,000 and \$12,000 each.
FRESNO, Fresno Co., Cal. J. C. Forkner Fig Gardens.

Ten one-story and basement frame and plaster residences (12 rooms and 2 baths), separate garage with living apts. etc.

Owner—Withheld.

Architect—Chas. Strothoff, 2276 15th St., San Francisco.

NOTE—Work has been started on three of the buildings.

Plumbing and Heating Contracts Awarded.

RESIDENCES Cost, \$3—
SAN FRANCISCO. Plymouth Avenue near Montecito, Westwood Park.

Plumbing and heating for four one-story and basement frame residences.

Owner—Dr. J. J. Kingwell, 401 Butler Bldg., San Francisco.

Architect—Chas. Strothoff, 2276 15th St., San Francisco.

Contractor—J. M. Lettich, Monadnock Bldg., San Francisco.

Plans Being Prepared. To Be Done by Days Work.

RESIDENCES Cost, \$7,000 each

SAN FRANCISCO. Plymouth Avenue near Montecito.

Two one-story and basement frame and plaster residences and garages.

Owner—Dr. J. J. Kingwell, 401 Butler Bldg., San Francisco.

Architect—Chas. Strothoff, 2276 15th St., San Francisco.

Contract Awarded.

RESIDENCE Cost, \$20,000
LOS ANGELES, Cal. No. 325 Plymouth Boulevard.

Two-story frame and plaster residence (12 rooms and 3 bathrooms).

Owner—Leona H. Tyler.

Architect & Contractor—S. M. Cooper, Merritt Bldg., Los Angeles.

Sub-Pictures Being Taken.

RESIDENCE Cost, \$—
HOLLYWOOD, Los Angeles Co., Cal.

Two-story brick residence (12 rooms and 4 bathrooms).

Owner—Hector Turnbull.

Architect—Harwood Hewitt, 1130 Van Nuys Bldg., Los Angeles.

RESIDENCE Cost, \$—
MONTECITO, Santa Barbara Co., Cal.

Mountain Drive.

Two-story and basement concrete and stone residence and garages (12 rooms and 4 bathrooms).

Owner—Charles Frederick Eaton.

Architect—Carlton M. Winslow, 1134 Van Nuys Bldg., Los Angeles.

To Be Done By Days Labor and Sub-Contract.

RESIDENCE Cost, \$20,000
LOS ANGELES. Fourth Street and Ardmore Avenue.

Two-story and basement frame and plaster residence (10 rooms and 3 bathrooms).

Owner—Alice H. Hook.

Architect—O. P. Dennis, 7017 Hawthorne Ave., Los Angeles.

CHICO, Butte Co., Cal.—G. F. Cutler, representing a Sacramento concern, has presented plans and specifications to the Chico Chamber of Commerce providing for the erection of ten modern dwellings under the unit plan. Under Cutler's proposition the buildings can be erected for \$3,100 each and will contain five rooms.

A committee has been appointed to investigate the proposed offer and submit a report at the next meeting.

Preliminary Plans Being Prepared.

RESIDENCE Cost, \$60,000
DEL MONTE, Monterey Co., Cal.

Two-story frame and plaster residence

Owner—Withheld.

Architect—Edward T. Foulkes, Crocker Bldg., San Francisco.

Construction will not be started until Spring.

Ready for Figures Next Week.

RESIDENCES Cost, \$10,000 each
SAN FRANCISCO. Forest Hill.

Six two-story and basement frame and plaster residences and separate garages (7 and 8 rooms and 2 bathrooms each.)

Owner—Withheld.

Architect—Walter Falch, Hearst Bldg., San Francisco.

Plans Being Prepared.

RESIDENCE Cost, \$17,000
SAN JOSE, Santa Clara Co., Cal.

Spanish style residence.

Owner—Dr. J. Irving Beattie.

Architect—C. C. Dakin, 110 Sutter St., San Francisco.

HANFORD, Kings Co., Cal.—Prior to establishing a home building corporation, Frank C. Russell, Secretary of the Hanford Board of Trade, is gathering statistical data regarding construction, costs, etc., for building of homes. The formation of a company with a capitalization of \$100,000 is planned.

December 12, 1919.

Plans Prepared.

RESIDENCE Cost, \$16,000
LOS ANGELES, Cal. No. 542 Lorraine Boulevard.

Two-story frame and plaster residence (8 rooms and 2 bathrooms).

Owner—Withheld.

Architect—Arthur R. Kelly, 1110 Story Bldg., Los Angeles.

Plans Prepared. Sub-Bids to be Taken

RESIDENCE Cost, \$16,000
LOS ANGELES, Cal. No. 310 S. Lucerne Boulevard.

Two-story frame and plaster residence (8 rooms).

Owner—Dr. Jas. D. McCoy.

Architect—Arthur R. Kelly, 1110 Story Bldg., Los Angeles.

Plans Being Prepared.

COTTAGES, ETC. Cost, \$—
DEFIANCE, Arizona.

Two dormitories, four cottages and administration building.

Owner—Home Missionary Board of Presbyterian Church of the U. S. A.

Architect—H. M. Patterson, O. T. Johnson Bldg., Los Angeles.

The administration building will be two stories and basement and will contain administrative offices of the church, living quarters for teachers and superintendent of the Indian Mission at the fort. The cottages will contain two rooms each and will be of adobe construction. The dormitories will provide quarters for 50 male and 50 female children. The main buildings will be of sand stone construction with slate roofs, pine interior finish, steam heating system, plumbing, kitchen equipment.

Plans Being Figured. Bids Close End of Next Week.

RESIDENCE COST, \$14,000
OAKLAND, Alameda Co., Cal. Kingston Avenue.

Two-story and basement residence, and garage 9 rooms and sleeping porch

Owner—Mr. Carter.

Architect Charles W. McCall, Central Bank Bldg., Oakland.

Plans Being Prepared.

RESIDENCE Cost, \$12,000
SAN FRANCISCO. St. Francis Wopd.

Two-story and basement frame and plaster residence.

Owner—Withheld.

Architect—Mel I. Schwartz, Nevada Bk. Bldg., San Francisco.

AVALON, Los Angeles Co., Cal.—D. M. Renton, building contractor, and superintendent of construction for the Santa Catalina Island Co., is preparing plans and will build a two-story, below tide residence containing about 30 rooms, in Buena Vista park, the old wireless station site at Avalon, for

Win. Wrigley Jr., present owner of the island. The house will have a large court and there will be a sunken garden, swimming pool, garage and stables. Estimated cost, \$100,000. A board walk 3 miles long will be built between Hamilton Beach and Pebble Beach by Mr. Wrigley.

Contract Awarded.
RESIDENCE & GARAGE Cost, \$10,000
BURLINGAME, San Mateo Co., Cal.
One and one-half-story frame residence and garage.
Owner—Mr. A. M. Thomson, 229 State St., San Mateo.
Architect—T. M. Edwards, 833 Market St., San Francisco.
Contractor—H. C. Lewis, 68 Post St., San Francisco.

Plans Being Prepared.
RESIDENCE Cost, \$12,000
PORTLAND, Ore. Westover Terrace.
Two-story and basement frame residence, 35x46 (10 rooms).
Owner—Withheld.
Architects—De Young & Roald, Spalding Bldg., Portland.

RESIDENCE Cost, \$16,000
BERKELEY, Claremont Court.
Two-story and basement frame and plaster residence (8 rooms).
Owner—Mrs. Lloyd.
Architect—W. H. Ratcliff Jr., 1st National Bank Bldg., Berkeley.

Plans Being Prepared.
ALTERATIONS Cost, \$—
FRESNO, Fresno Co., Cal. No. 1050
"S" Street.
Remodel residence and erect private (double) garage.
Owner—H. H. Holland.
Architects—Glass & Butner, Cory Bldg., Fresno.

SCHOOLS

Plans Being Completed.
SCHOOL Cost, \$90,000
SEATTLE, Wash. On Lake Washington Girls Parental School.
Owner—City of Seattle.
Architect—F. A. Naramore, City School Architect, City Hall, Seattle.

To Call Bids Shortly.
ADDITION Cost, \$150,000
SEATTLE, Wash. 3rd Avenue N. W. and W-80th Street.
Fireproof addition to Greenwood School.
Owner—Seattle School District No. 1.
Architect—F. A. Naramore, City School Architect, City Hall, Seattle, Wash.

SACRAMENTO, Cal.—Superintendent of Schools Chas. C. Hughes has recommended to the City Board of Education the erection of a new school building in the Highland Park District. If a new structure cannot be erected in the immediate future he asks that a temporary building be erected.

Contract Awarded.
ADDITION, ETC. Cost, \$5,430
LINDSAY, Fresno Co., Cal.
Construction of addition to present school; erection of tank tower and installation of electric automatic pumping plant.
Owner—Lindsay School District, H. C. Mathiesen, Clerk.

Architects—Swartz & Ryland, Itowell Bldg., Fresno.
Contractor—W. B. Vaughan, Route A, Sanger, Cal.

Plans Being Prepared.
SCHOOL Cost, \$—
MOORPARK, Ventura Co., Cal.
Group of high school buildings.
Owner—Moorpark Union High School District.
Architect—Mott M. Marston, 535 I. W. Hellman Bldg., Los Angeles.
A bond election will be called shortly to provide funds for the erection of the first building, probably the administration building. The cost will be about \$40,000.

Plans Being Prepared.
SCHOOL Cost, \$90,000
SAN BERNARDINO, Cal. Mt. Vernon School Site.
Ten or 12 room reinforced concrete school.
Owner—City of San Bernardino.
Architect—F. T. Harris, 556 8th St., San Bernardino.

Plans Being Figured. Bids Close Dec. 27, 1919.
SCHOOLS Cost, \$130,000
CHANDLER, Ariz.
Three two-story brick high school building.
Owner—Chandler High School District.
Architects—Allison & Allison, Hilbernia Bldg., Los Angeles.
Bids will be taken separately as follows: General contract, tile roofing, blackboard, painting, plumbing, gas fitting and sewerage; program clocks, hardware, and for heating. Plans and specifications may be obtained at the office of the architects upon deposit of fifteen dollars.

SAN FRANCISCO.—City Architect John Reid Jr., has submitted the following reports to the Board of Public Works covering progress on plans for school improvements to be financed from the School Bond Issue:

Harrison Street School—Harrison street between Tenth and Eleventh streets. Plans almost completed and a call for bids will be issued shortly. Plans by Architect John Reid Jr., First National Bank Bldg.

Adams School, North side of Eddy street, between Van Ness avenue and Polk street. Preliminary sketches completed plans by Architect John Reid Jr., First National Bank Bldg.

Bernal School, Cortland avenue between Andover and Moultrie streets. Preliminary sketches for addition being completed by Architect Martin A. Sheldon.

Columbus School, Twelfth avenue, between Kirkham and Lawton streets. Architect Herman Barth preparing preliminary sketches for addition.

Edison School, Church and Twenty-second streets. Architect Walter O'Brien (O'Brien Bros., Inc.), completing preliminary sketches for addition.

Hancock School, Filbert street between Jones and Taylor. Preliminary plans for addition being prepared by Architects Ward & Blohme.

McKinley School, SW Castro and 14th Streets. Preliminary sketches for addition being prepared by Architect Chas. Sumner.

Spring Valley School, Jackson street between Hyde and Larkin streets. Preliminary plans for addition being completed by Architect August G. Headman.

Mission High School, 18th street between Dolores and Church. Preliminary sketches being prepared by Architect John Reid Jr.

Fire Chief Murphy's Residence. Plans for the residence of Fire Chief Murphy have been completed and a call for bids will be issued in the near future. Estimates are now being prepared. Plans for this structure are being prepared by City Architect Reid.

CHICO, Butte Co., Cal.—Plans for a heating system proposed for the new \$440,000 high school have been presented to the Board of Education by F. C. Kiston of the Moline Heating Co. of San Francisco.

Plans for the building proper are being completed by Architects Woollett & Lamb, Physicians Bldg., Sacramento.

Preliminary Plans Being Prepared.
Erection of Buildings Depends Upon Bond Issue.

SCHOOLS Cost, \$309,000
GLENDALE, Los Angeles Co., Cal.
High School buildings.
Owner—Glendale School District.

Architect—Norman F. Marsh, Broadway Central Bldg., Los Angeles.
\$126,000 for administration building and auditorium to seat 2500 people; \$5000 for remodeling of the present administration building for classroom purposes; \$91,000 for a new science hall building to contain eight classrooms; \$32,000 for a gymnasium building; \$30,000 for a central heating plant, and \$25,000 for equipment and furniture.

FRESNO, Fresno Co., Cal.—The following bids were received by the Fresno Board of Education, J. R. Fontaine, Secretary:

For Furnishing and Delivering one Million No. 1 Standard Common, Well Burned Wire Cut Red Brick

Port Costa Brick Works, 5 Crossley Bldg., San Francisco, \$13 per M and \$7 per M extra, if f. o. b. Fresno.

Pioneer Brick Co., Visalia, Cal., \$18 per M f. o. b. Fresno.

Kern County Brick Co., East Bakersfield, Cal., \$14 per M f. o. b. Fresno.

Craycroft Brick Co., \$19 per M f. o. b. Fresno and \$5 per M extra.

Contracts awarded to Kern County Brick Co., Pioneer Brick Co., and Craycroft Brick Co. None of the above bid on entire quantity.

For Furnishing and Delivering One Hundred Thousand Common Wire Cut Red Brick

Port Costa Brick Works, \$18 per M plus \$7 per M f. o. b. Fresno.

Pioneer Brick Co., \$28 per M f. o. b. Fresno.

Contract awarded to Pioneer Brick Company.

Plans Being Prepared.

SCHOOL Cost, \$200,000
MONTEBELLO, Los Angeles Co., Cal.
Twelve-room and auditorium school to replace Washington School; 2 room addition to Greenwood Grammar School and 2 room building for southwestern portion of the district.
Owner—Montebello School District.

Architect—Mott M. Marston, I. W. Hellman Bldg., Los Angeles.

Plans Being Prepared.
SCHOOL Cost, \$—
ONTARIO, San Bernardino Co., Cal.
One-story frame and stucco school (4 class rooms, library, teachers' rooms, etc.)

Owner—Roman Catholic Archbishop of Los Angeles County and Monterey.
Architect—A. C. Martin, Higgins Bldg., Los Angeles.

Plans Being Figured. Bids Close January 2nd, 1920, 3 P. M.
SCHOOL Cost, \$—
CORNING, Tehama Co., Cal.
One-story reinforced concrete grammar school.

Owner—Corning Grammar School District. A. J. Symonds, Clerk.
Architects—Geo. C. Sellen & Co., 202 Mitau Bldg., Sacramento.
Bonds of \$46,000 have been voted to finance construction.

Plans Being Prepared.
SCHOOL Cost, \$30,000
DINUBA, Tulare Co., Cal.
One-story 4-room school.
Owner—El Monte School District.
Architects—Glass & Butner, Cory Bldg., Fresno.

STORES AND OFFICES

Low Bidder.
OFFICE BUILDING Cost, \$100,000
SAN FRANCISCO. N Pine Street, bet. Front and Davis, W. of Oceanic Building.

Two-story and basement Class "A" office building (frame to be strong enough for 6 additional stories) 87½ foot frontage.

Owner—Ames-Harris Neville Co., 100 Potrero Ave., San Francisco.
Architect—J. R. Miller, Lick Bldg., San Francisco.

Low Bidders—McLeran & Peterson, Hearst Bldg., San Francisco.

Plans to be Prepared.
WHOLESALE HOUSE Cost, \$—
SAN FRANCISCO. SE Fremont and Mission Streets.

Five-story Class "A" wholesale building
Owner—Walton N. Moore Dry Goods Co., Inc., 7 Front St., San Francisco
Architect—Not Selected.

Plans to be Prepared.
AUTO SALES BLDG. Cost, \$—
SAN FRANCISCO. SW Van Ness Ave. and McAllister.

Five-story reinforced concrete auto sales building, 120x219-6.
Owner—Pioneer Motor Co., Geo. Peak, Manager, 307 Golden Gate Ave., San Francisco.
Architect—Not Selected. Several Plans Under Consideration.

Plans Being Figured.
AUTO TRUCK SALES ROOMS Cost, \$30,000.
PORTLAND, Ore. Grand Avenue.

Two-story and basement reinforced concrete auto truck sales rooms and garage, 100x100.
Owner—Withheld.
Architects—Clausen & Clausen, Macleay Bldg., Portland, Ore.

Plans Being Prepared.
AUTO SALES BLDG. Cost, \$40,000

SAN FRANCISCO. Valencia Street.
Two-story reinforced concrete auto sales building.
Owner—Withheld.
Architect—C. A. Meussdorffer, Humboldt Bank Bldg., San Francisco.
NOTE—Construction will not be started until Spring.

Plans Being Prepared.
ALTERATIONS Cost, \$7,500
SAN FRANCISCO. No. 291 Geary St.
Alter building (interior alterations and store fronts).
Owner—St. Paul Building.
Architects—Ward & Blohme, 454 California St., San Francisco.

Plans Being Prepared.
AUTO SALES BLDG. Cost, \$—
SAN FRANCISCO. S Turk Street 109-9 W Van Ness Avenue.
One or two-story and basement reinforced concrete auto sales building
Owner—Oscar H. Curtaz, 517 Hayes St., San Francisco.
Designer and Supt. of Constr.—Wm. Helbing, 517 Hayes St., San Francisco.

Site Being Considered.
BUILDING Cost, \$1,500,000
PORTLAND, Oregon.
Eight-story fireproof building, 280x600 (First unit, 300x280).
Owner—Montgomery, Ward Co., Wm. Q. Bateman, Portland, Representative.
Architect—Wm. H. McCaully, Engineer for Montgomery, Ward Co., Chicago, Illinois.

Contract Awarded.
ALTERATIONS Cost, \$3,000
SAN FRANCISCO. E Powell N of Ellis (Golden West Hotel).
Alter saloon into shoe store.
Lessee—Florsheim-Schaefer Shoe Co., Inc., 48 Kearny St., San Francisco.
Architect—Sidney B. Newsom, Nevada Bank Bldg., San Francisco.
Contractor—W. E. Mathews, 180 Jessie St., San Francisco.

Contract Awarded.
DEPARTMENT STORE Cost, \$200,000 approximately.
BAKERSFIELD, Kern Co., Cal.
Six-story and basement reinforced concrete department store.
Owner—Conklin & Brodek.
Lessee—Hochheimer & Co.
Architect—Orville L. Clark, Bakersfield.
Contractor—K. E. Parker, Clunie Bldg., San Francisco.
Work has been started on the excavation. All sub-contracts have practically been signed up.

Plans Being Prepared.
OFFICE BLDG. Cost, \$1,500,000
SAN FRANCISCO. SW Bush and Sansome Streets.
Twelve-story Class "A" office building, 137-6x203-2.

Owner—Standard Oil Co.
Architect—George W. Kelham, Sharon Bldg., San Francisco.

The contract will probably be awarded to P. J. Walker Co., Monadnock Bldg., who have the contract for the buildings now under construction at the Standard Oil Plant in Richmond, Contra Costa County.

Plan to Start Work in January.
BANK, ETC. Cost, \$1,500,000
SAN FRANCISCO. Sansome Battery, Sacramento and Clay Streets.
Five-story Class "A" bank and office building (strong enough to carry 15 stories).
Owner—Federal Reserve Bank.
Architect—Geo. W. Kelham, Sharon Bldg., San Francisco.
Engineer—H. J. Brunner, Sharon Bldg., San Francisco.
Contractor—P. J. Walker Co., Monadnock Bldg., San Francisco.

Plans Being Prepared.
STORE BLDG., ETC. Cost, \$75,000
WEED, Siskiyou Co., Cal.
One and two-story frame store building and alter present store.
Owner—Weed Lumber Company.
Architects—Ward & Blohme, 454 California St., San Francisco.

Contract Awarded.
STORES Cost, \$—
PITTSBURG, Contra Costa Co., Cal.
Black Diamond Street.
One-story brick (3) stores, 50x60.
Owner—S. Costanza, Pittsburg, Cal.
Architect—Not Given.
Contractor—Augusto Colombo, Pittsburg, Cal.

SACRAMENTO, Cal.—Two bids were received by the City Commissioners for alterations on the third floor of the manual training school on "I" street for use of the engineers who will plan the proposed filtration plant under the recent bond issue. The bids being as follows:

J. R. Saunders.....\$2,564
John L. Siller.....1,946
The bids were referred to Commissioner J. Q. Brown for report. M. J. Desmond is City Clerk.

Plans Being Prepared.
OFFICE BUILDING Cost, \$200,000
LOS ANGELES, Cal. Nos. 636-40 South Spring Street.
Class "A" office building, 63x123.
Owner—Wm. R. Staats Co.
Architect—John Parkinson, 420 Title Insurance Bldg., Los Angeles.

Plans Being Prepared.
STORES Cost, \$50,000
SAN FRANCISCO. S Eddy W Jones.
One-story and basement reinforced concrete (6) stores.
Owner—Withheld.
Architect—Mel I. Schwartz, Nevada Bk Bldg., San Francisco.

Contract Awarded.
STORE Cost, \$—
SAN FRANCISCO. S Bush 68-6 E Powell Street.
One-story and basement brick stores.
Owner—Geo. A. Webster, 142 Drumm St., San Francisco.
Architect—Edward T. Foulkes, Crocker Bldg., San Francisco.
Contractor—Louie Cohn, Merchants National Bank Bldg., San Francisco

Contracts Awarded.
STORE BLDG. Total Cost, \$35,147
SAN FRANCISCO. SE Golden Gate Avenue and Larkin Streets.
One-story Class "C" store building.
Owner—Skelly Estate Co.
Architect—Matthew O'Brien, 68 Post St., San Francisco.
The following contracts have been awarded:

Reinforcing Steel to Gunn-Carl Co.
Galvanized Iron—Gulfof Cornice Co.
Roofing—Bender Roofing Co.
Plumbing—O. Kurtz.
Electrical Works—Decker Elec. Co.
Ornamental Iron and Steel—Michel & Pfeffer.
Sidewalk Lights—Phoenix Sidewalk Light Co.
Painting—C. E. Gordon.
General Contract (excavation, concrete, cement, carpentry and mill work, glass and glazing and hardware) to Anderson & Ringrose, 320 Market St., for \$27,095.

Plans Being Prepared.
ALTERATIONS Cost, \$15,000 to \$20,000
OAKLAND, Alameda Co., Cal. Ninth and Broadway (Water Company's Building).
 Alter building into large butcher shop (deepen basement, lower first floor to street level, tile, marble, plate glass work, etc.)
 Owner—Withheld.
 Architect—A. A. Cantin, 63 Post St., San Francisco.
NOTE—Work will not be started for about 60 days.

Plans Being Prepared.
AUTO SALES BLDG. Cost, \$150,000
SAN FRANCISCO. SW Van Ness Ave. and McAllister St.
 Four-story reinforced concrete auto sales building, 120x219-9.
 Owner—Pioneer Motor Co.
 Architect—S. Heiman, 57 Post St., San Francisco.

THEATRES

Preliminary Plans Prepared.
THEATRE Cost, \$600,000
SEATTLE, Wash.
 Class "A" theatre.
 Owner—Loew-Ackerman-Harris, 231 O'Farrell St., San Francisco.
 Architects—Weeks & Day, Phelan Bldg San Francisco.

Contract Awarded on a Percentage Basis.
THEATRE Cost, \$250,000
SANTA BARBARA, Cal. State St.
 Reinforced concrete theatre, 83x200. (Motion Pictures and Orpheum Act.)

Owner—Portola Theatre Co.
 Architect—Not Given.
 Contractor—J. Alden Griffin Constr. Co., 602 Title Ins. Bldg., Los Angeles.
 Mr. Griffin will discontinue his office in Los Angeles the first of next month and will then have his headquarters on the site.

Figures to be Taken End of This Week
ALTERATIONS Cost, \$50,000
SACRAMENTO, Cal. "J" Street.
 Extensive alterations to theatre.
 Owner—Ackerman & Harris.
 Architect—E. C. Hemmings, 1203 "J" St., Sacramento.

Figures will be taken for a general contract.
 (30288) 1st report Sept. 22; 2nd Nov. Completing Plans.
ALTERATIONS Cost, Bet. \$60,000 and \$70,000.
SAN FRANCISCO. No. 644 Broadway.
 Extensive alterations to Verdi Theatre.
 Owner—Crescent Theatres, Inc. (N. A. Jackson, 935 Market St.)

Architect—A. W. Cornelius, Merchants National Bank Bldg., San Francisco
 Construction will not start until after the first of the year.

Contracts Awarded.
THEATRE Cost, \$125,000
MODESTO, Stanislaus Co., Cal. 10th Street.

One-story and balcony Class "A" theatre (1800 seating capacity).
 Owner—Golden West Amusement Co., Inc. (Lesser Bros. and P. H. Mackowitz of San Francisco).
 Architects—Reid Bros., 105 Montgomery St., San Francisco.

The following contracts have been awarded:
Excavating and Concrete—G. B. Pasqualetti, 746 Union St., San Francisco, \$37,000.

Ornamental Iron—Golden Gate Iron Works, 1541 Howard St., San Francisco, \$1,400.

Structural Steel—Golden Gate Iron Works, \$3,150.

Electrical Work—Butte Electrical Equipment Co., 530 Folsom, San Francisco, \$8,700.

Plumbing—W. E. Hughes, Modesto, \$5,705.

Heating—Atlas Heating & Ventilating Co., 72 Freelon St., San Francisco, \$4,750
Plastering—Leonard Bosch, 41 Pluto St., San Francisco, \$15,275.

Galvanized Iron—Gulfof Cornice Co., 209 8th St., San Francisco, \$2,900.

Roofing—Richard H. Flaherty, 110 Jessie St., San Francisco, \$950.

Marble—Vermont Marble Works, 244 Brannan St., San Francisco, \$700.

Contract Awarded.
THEATRE Cost, \$—
PASADENA, Los Angeles Co., Cal. Raymond Avenue near Holly Street.
 Reinforced concrete theatre, 100x175.
 Owner—Pasadena Theatre Co. (E. O. Kendall, President).
 Architect—Cyril Bennett, 313 Kendall Bldg., Pasadena.
 Contractor—W. C. Crowell, 440 Chamber of Commerce Bldg., Pasadena.

ENGINEERING

BRIDGES, DAMS & HARBOR WORK

BENICIA, Solano Co., Cal.—According to estimates compiled by the W. L. Ishman Co., and presented to the City Trustees it will cost approximately \$3,000 for repairing the city wharf, which includes the rebuilding of the old portion and putting in a spring line. J. C. McAravy is City Clerk.

SEATTLE, Wash.—The Port of Seattle Commission, Bell Street Dock, Seattle, has awarded a contract to Harrington-Peters Co., Mutual Life Bldg., Seattle, for the north 500 feet of the east transit shed on Pier B at Smith's Cove, the bid being \$129,000. This concern also has the contract for the substructure of the 2,500 foot pier.

SACRAMENTO, Cal.—The Board of Supervisors has authorized a letter to be sent to Colonel L. H. Rand informing him that the county had taken cognizance of a communication from the war department to the effect that the bridge at Walnut Grove must be raised three

feet, and that it would be removed entirely when a new bridge is constructed.

The new bridge it is proposed to erect at or near Courtland on or before December 1, 1925, the limit of time fixed by the government.

OAKLAND, Cal.—The County Supervisors, Geo. E. Gross, County Clerk, have awarded a contract to A. J. Grier, 480 Chetwood St., Oakland, at \$4,870 for repairs and approaches on the bridge over San Lorenzo Creek. Other bids were:
 M. E. Fernandez \$5,997.50
 Healy-Thibbitts Const. Co. \$5,670.00
 C. A. Bruce 4,935.00

SALINAS, Monterey Co., Cal.—The City Council is considering the construction of a permanent concrete bridge in North Main street spanning the drainage canal.

City Engineer Davies has been instructed to prepare estimates of construction.

STOCKTON, San Joaquin Co., Cal.—Bids will be received by County Clerk Eugene D. Graham up to January 6th, 1926, for re-flooring the Bellota bridge over the North Calaveras River.

HOLLISTER, San Benito Co., Cal.—January 5, 1926, 2 P. M., is the time set by the County Supervisors, Elmer Dowdy, County Clerk, for opening bids for the construction of a reinforced concrete bridge over the Tequisquite Slough on the new road commonly called the Ausaymas and Fairview. Cut off at or near engineer's survey station 59-49 in Supervisors' District No. 1, work to be completed, June 1st, 1926.
 Separate bids will be opened at the same time for the construction of a reinforced concrete bridge over the Santa Ana Creek on the new road commonly called the Ausaymas and Fairview. Cut Off at or near engineer's survey station 99-60 in Supervisor District No. 1, work to be completed June 1st, 1926.

Certified check of 10% payable to Chairman of the Board of Supervisors must accompany each bid.

MARTINEZ, Contra Costa Co., Cal.—Contracts awarded to E. H. Martin, Syndicate Bldg., Oakland, covering the construction of the San Pablo and Wildcat bridges in Contra Costa County amounted to \$19,772 and not \$9,772, as previously reported in these columns.

RED BLUFF, Tehama Co., Cal.—The following bids were received by the County Supervisors at their last meeting for bridge work:

Creek.
Bridge Over South Fork of Battle
 Ross Construction Co. \$3,420
 C. C. McCartney 4,900
 Bordwell Construction Co. 5,125
 Contract awarded to Ross Construction Company.

Dry Creek Bridge in District No. 3.
 Bordwell & Zimmerman \$14,000
 Hart Construction Co. 12,480
 Ross Construction Co. 15,295
 Bids taken under advisement.

Bridge on the Corning Road.
 Bordwell & Zimmerman \$1,000

Hart Construction Co. 1,900
 Lanning & Co. 1,325
 Bids taken under advisement.
Bridge on Foster Road.
 Lanning & Co. \$1,325
 Bordwell & Zimmerman 1,024
 Hart Construction Co. 1,800
 Bids taken under advisement.
 H. G. Kuhn is Clerk of the Board of Supervisors.

IRRIGATION WORK

TRANQUILLITY, Fresno Co., Cal.—Bonds of \$260,000 to finance irrigation improvements have been voted by the Tranquillity Irrigation District. The proceeds of the sale of the bonds will be used for the construction of a new pumping plant, for the building of a canal, and for the construction of a water works plant for the city of Tranquillity. As soon as the legal matters can be attended to, work on the improvement will be started.

LOS BANOS, Merced Co., Cal.—The formation of an irrigation district comprising between 150,000 and 200,000 acres by farmers of the West Side is planned. W. E. Bunker of Gustine has been elected chairman of a committee to gather engineering data, etc., regarding the proposed project and A. P. Miller of Gustine, elected Secretary. A. L. Cowell, Attorney of Stockton, is handling the legal proceedings for the proposed district.

FRESNO, Fresno Co., Cal.—The Supervisors have granted the petition providing for the formation of the James Irrigation District in the west portion of the county, which comprises 27,000 acres.

The engineering plans for consumption of the irrigation project call for the development of two separate water supplies, the underground through the drilling and electrification of artesian wells and the use of the flood waters of the San Joaquin river as a secondary supply. D. M. Barnwell is County Clerk.

SAN LEANDRO, Alameda Co., Cal.—City Trustee L. J. Toffelmier has recommended to the City Trustees the purchase of a street roller. Toffelmier states that San Leandro street improvements are being hindered through lack of a roller.

MODESTO, Stanislaus Co., Cal.—Petitions calling an election to vote bonds of \$2,000,000 for construction of the Don Pedro reservoir, a district power plant, distribution lines and for drainage purposes, are being circulated under the supervision of J. M. Walthall, Attorney for the Modesto Irrigation District. The State Water Commission has approved of the district appropriating 600,000 feet of water, annually, from the Tuolumne River to be stored in the proposed reservoir.

The work will be undertaken by the Modesto and Turlock Irrigation Districts.

MACHINERY

HANFORD, Kings Co., Cal.—The City Trustees are considering the purchase of a street grader costing 768. At the request of Trustees Pepper and Bass an Austin grader was ordered to be sent the city on trial.

STOCKTON, San Joaquin Co., Cal.—Up to January 6th, 10:30 A. M., bids will be received by the County Supervisors, Eugene D. Graham, County Clerk, for furnishing one 75 B.H.P. oil engine of the vertical or horizontal type, not less than two cylinders, two cycle, heavy duty, internal combustion with throttling governor, or equal, direct connected by flexible coupling to one 55 K. W. direct current compound wound 125 volt electric generator of the engine drive type. Also one 25 B.H.P. oil engine of the horizontal or vertical type, single or double cylinder, two cycle, heavy duty, internal combustion with throttling governor, or equal, direct connected by flexible coupling to one 15 K. W. direct current compound wound 125 volt generator of the engine type, for the San Joaquin County Hospital and Farm.

Certified check of 10% payable to Chairman of the Board of Supervisors must accompany each bid.

PITTSBURG, Contra Costa Co., Cal.—Randall M. Dorton, City Manager, has recommended to the City Council that the old Studebaker sprinkler be sold and the proceeds of the sale go toward the purchase of a combination street sprinkler and sweeper.

SAN FRANCISCO.—Bids will be received by the Engineer Office, U. S. Army, 240 Montgomery street, up to December 31st, 10 A. M., for furnishing and delivering rope for use in the Engineering Department works for this district. About 30,000 pounds of manila rope will be required, delivery to be made at Rio Vista, Solano County. Alternative proposals will be considered. The following are the sizes and amounts wanted:

Bolt Rope.
 2 Colls; 125 Length Fathoms; 6" Circumference.
 4 colls; 140 Length Fathoms; 5½" Circumference.

4 Colls; 125 Length Fathoms; 5" Circumference.
 4 Colls; 125 Length Fathoms; 4" Circumference.

6 Colls; 125 Length Fathoms; 3" Circumference.

Ship or Marine Rope.
 2 Colls; 125 Length Fathoms; 6" Circumference.

8 Colls; 125 Length Fathoms; 5" Circumference.

6 Colls; 125 Length Fathoms; 4½" Circumference.

6 Colls; 125 Length Fathoms; 4" Circumference.

8 Colls; 125 Length Fathoms; 3½" Circumference.

12 Colls; 125 Length Fathoms; 3½" Circumference.

10 Colls; 125 Length Fathoms; 3" Circumference.

10 Colls; 125 Length Fathoms; 2¾" Circumference.

6 Colls; 125 Length Fathoms; 2½" Circumference.

6 Colls; 125 Length Fathoms; 2¼" Circumference.

6 Colls; 125 Length Fathoms; 2" Circumference.

8 Colls; 125 Length Fathoms; 1½" Circumference.

6 Colls; 100 Length Fathoms; 15-th.

AUBURN, Placer Co., Cal.—The County Board of Supervisors has authorized Supervisor Silva to purchase, for use

Pacific PIPE

SAVES YOU MONEY

New and re-newed screw casing and standard pipe for every requirement; tested and guaranteed for 150 pounds working pressure; dipped in hot asphaltum to prevent corrosion. Extensively used by orchardists and farmers, water-works, mines, etc.

Pacific Screw Casing is seamless steel pipe, light weight, fine thread. Saves you from one-half to two-thirds in cost; freight is half as much as on standard pipe.

Fittings and valves for every purpose; special fittings made to order. Tell us today what your requirements are; let us save you money.

PACIFIC PIPE CO.,

231 Howard St.

San Francisco

in his district, one first class road ditcher. A. F. Fleming is Clerk of the Board of Supervisors.

OAKLAND, Cal.—The City Council, L. W. Cummings, City Clerk, has refused to appropriate \$2,200 for the purchase of a scarifier for the purpose of scraping macadam and oil streets. The purchase was recommended by City Commissioner W. J. Baccus.

EL SEGUNDO, Los Angeles Co., Cal.—Until 8 p. m., Dec. 17, bids will be received by the City Trustees for one self-propelled, 7 or 8-ton tandem road roller and all accessories. Bids may be submitted on new or used equipment. Certified check for 10% required. Victor D. McCarthy, City Clerk.

SEWERS, STREET WORK, ROADS AND WATER SYSTEMS

SAN FRANCISCO.—The Board of Supervisors has adopted an Ordinance providing for the improvement of the east one-half of the Great Highway from a point 438 feet north of Balboa street to the south line of Fulton street. The work will consist of constructing concrete gutters and curbs and paving with asphalt.

PHOENIX, Ariz.—January 12, 1920, is the date set by the Maricopa county highway commission for receiving bids for constructing first units of county highway system under \$4,000,000 bond issue.

SANTA MONICA, Los Angeles Co., Cal.—J. D. Kneen Contracting Co., Dudley Block, Santa Monica, submitted the lowest bid at \$42,347.27 for paving Second street between Santa Monica Boulevard and Monterey avenue, involving 166,409 sq. ft. asphalt paving; 6723 lin. ft. Class "A" cement curb; 31,440 sq. ft. 5-in. concrete gutter and fur-

nishing and placing 30 reinforced concrete lighting standards with conduits and appurtenances. Other bids received by the city commission were: Los Angeles Paving Co., \$16,995.77; Fairchild-Gilmore-Wilton Co., \$48,245.31; and Geo. H. Oswald, \$51,151.78.

SAN BERNARDINO, Cal.—R. T. Shea & Co., Riverside, submitted the only bid and was awarded the contract at \$25,440 for paving Agate street between Palm and Olive streets, in Road Improvement District No. 9, with 4-in. concrete 22 ft. wide and a portion of Palm avenue with 4-in. concrete 16 ft. wide and constructing stone and cement curb.

WOODLAND, Yolo Co., Cal.—On recommendation of Asa G. Proctor, County Highway Engineer, the Supervisors have decided to call bids on various types of pavement for the proposed county highway system, funds for which are on hand from the recent county bond issue. Bids will be taken on a reinforced concrete base with black wearing surface and for a black base with a black wearing surface. It is expected that construction will be started the latter part of January.

WOODLAND, Yolo Co., Cal.—The County Supervisors, Asa G. Proctor, County Highway Engineer, have ordered the preparation of specifications for graveling about 3½ miles of new road in Reclamation District 1600. The road has already been graded.

SALINAS, Monterey Co., Cal.—Bids will be received by M. R. Keef, City Clerk, up to January 5th, 8 P. M., for the construction of cement concrete sidewalks, 5 feet wide, on both sides of North Main street from a line drawn across North Main St. from the point of intersection of the E line of North Main with the N line of Sausal St., to the point of intersection of the W line of North Main St. with the E line of Main St. to the S curb line of Menke St. Certified check of 10% payable to City of Salinas must accompany each bid.

LOS BANOS, Merced Co., Cal.—The Town of Los Banos has purchased the water supply system of the West San Joaquin Valley Water Company, a corporation, and plans extensive improvements.

The city intends moving the plant to a new location, install a filter, new tanks and tower, construct fire mains and hydrants and purchase up-to-date fire-fighting apparatus.

HEPPNER, Ore.—Bids will be received up to January 7th, 8 P. M., by J. P. Williams, City Recorder, for constructing improvements to the Water Works System for which bonds of \$100,000 have been voted. Bids will be taken as follows:

1. For furnishing labor, equipment and materials except pipe and specials, for the construction of the Gravity Supply Line and accessories.

2. For furnishing machine banded wood pipe and special cast iron fittings and valves f. o. b. cars Heppner, Oregon.

3. For furnishing and laying concrete pipe in trench on supply line, Heppner, Oregon.

Plans were prepared by Engineers Burns & McConnell, Interstate Bldg., Kansas City, Missouri.

INGLEWOOD, Los Angeles Co., Cal.—Mike Murphy, 1321 Milvia St., Berkeley, was awarded the contract at \$56,631 for furnishing and laying mains for the new municipal water system, using lead joints. The contract involves 13,000 ft. 4-in., 9825 ft. 6-in., and 4150 ft. 8-in. Class A cast iron pipe, fire hydrants and valves. Olmsted & Gillelen, Hollingsworth Bldg., Los Angeles, Consulting Engineers. R. F. Ware, 431 Union Oil Bldg., will do the trenching.

SALINAS, Monterey Co., Cal.—The City Engineer has been instructed to prepare plans and specifications for the extension of the Lang street sewer, also for the extension of the sewer in Winham street from Main easterly. The extension of the Summer street sewer was laid over for further consideration.

Plans prepared by the City Engineer for the construction of sidewalks on North Main street were adopted and bids for construction will be called shortly.

HANFORD, Kings Co., Cal.—The City Trustees at their last meeting discussed the proposed sewer system for the northeast portion of the city. No definite action was taken.

MARTINEZ, Contra Costa Co., Cal.—County Surveyor R. R. Arnold is completing plans and specifications for forty-seven miles of county highway for presentation to the supervisors at the January session when it is thought that bids will be ordered received so as to have construction under way by the latter part of February.

PLACERVILLE, El Dorado Co., Cal.—Hector Williams and E. A. Crockett, Motor Route A, Placerville, submitted the only bid to the County Supervisors for the construction of the Green Valley-Coloma junction wagon road at \$1,800, the road being 1¼ miles in length. Arthur J. Koletzke, is County Clerk.

MERCED, Merced Co., Cal.—The County Supervisors, P. J. Thornton, County Clerk, are considering the construction of a road to be known as "Merced and Los Banos Road, Section No. 1," also "Palm Avenue Extension Road" and a road in the Third and Fourth Supervisor Districts.

County Engineer A. E. Cowell will report his findings at the next meeting of the Board.

TOMBSTONE, Ariz.—Until 2 P. M., January 3, 1920, new bids will be received by State Engineer Thomas Maddock at the office of the Supervisors of Cochise Co. at Tombstone, for constructing Sections 2A and 2B of the Bisbee-Douglas highway Federal aid project No. 11. Plans and specifications may be obtained from State Engineer at Phoenix, on deposit of \$5. Certified check for 5% required. Bids previously received for this work were rejected. Geo. H. Oswald of Los Angeles, bid \$115,515.20 (\$2.73 sq. yd.) on Section A and \$116,897.76 (\$2.48 sq. yd.) on Section B. Ragau & Smith bid

\$113,625.60 (\$2.69 sq. yd.) on Section A and \$127,728.80 (\$2.69 sq. yd.) on Section B. The state will furnish cement. There will be 47,137 sq. yds. 6-in. concrete paving on Section A and 42,240 sq. yds. on Section B.

S. OCKTON, San Joaquin Co., Cal.—Bids will be received by Eugene D. Graham, County Clerk, up to January 6th, 1920, for paving the L. H. Howland road and the J. A. Shepard road near Lathrop.

VISALIA, Tulare Co., Cal.—The City Trustees were notified at their last meeting by the Federal Construction Co., Cal. Bldg., San Francisco, that its attorneys had advised them not to proceed with the contract for paving streets in this city, owing to a technicality that the bids submitted by the contracting concern, and on which the contract was awarded, were made upon an old grade map of the city that had never been properly adopted; that the company's attorneys, after examining into all the details in connection with preparation for letting the contract advised against the Federal concern going through with the work. The trustees immediately began action looking to asking again for sealed proposals for the paving, which is badly needed.

FRESNO, Fresno Co., Cal.—The Vorsewick Construction Co. has assigned its contract amounting to \$39,339.50 for paving 5 miles of county road on Shaw Avenue with concrete base and Warrenite surface to the Federal Constr. Co., Cal. Bldg., San Francisco. A bond by the Fidelity & Deposit Co. of Maryland will be substituted for the bond furnished by the Hartford Accident & Indemnity Co.

SAN FRANCISCO—City Engineer M. M. O'Shaughnessy has completed plans and bids will be called for shortly by the Board of Public Works for the grading and paving of Market street from Collingwood to Ord, with an extension to Eighteenth street.

SACRAMENTO, Cal.—The Sacramento County Highway Commission, Drury Butler, County Engineer, has recommended to the Board of Supervisors the changing of the width of the highway to be constructed on Brannan island from 15 to 16 feet. The road is about six miles in length and the additional cost is estimated at about \$7200. The proposition was referred to the road committee for a report.

LOS ANGELES, Cal.—City Engineer Hansen has been instructed to prepare plans for paving Western Ave. from Adams St. to Manchester Ave., approximately 5 miles, with 5-in. concrete base, 1-in. binder and 2-in. asphalt surface. The work will be done under the Improvement Act of 1911. The city engineer was also instructed to prepare plans for improving 13 other streets as follows: Alexandria Ave., from Temple to Second St.; Second, from Gramercy Place to Van Ness; Bonnie Brae, from Sixth to Seventh; Compton, from Twenty-eighth to Slau-son; Ninth, from Vermont to Harvard; Paloma, from Twelfth to Washington; San Marino, from Vermont to Kingsley Drive; Twelfth, from Georgia to Alvarado; Twenty-second, from Vermont to

La Salle; Wilton Place from San Marino to Wilshire; College, from Alameda to Main; Adobe, from Bernardo to College; Thirty-ninth, from Vermont to Western. A portion of these streets will be paved with concrete and a portion with Warrenite.

SANTA CRUZ, Santa Cruz Co., Cal.—Bids received for furnishing Santa Cruz County with cement for use on the Santa Cruz-Soquel unit of the county highway system have been rejected by the Supervisors and the material ordered purchased in the open market.

H. H. Miller is County Clerk and Lloyd Bowman Highway Engineer.

HANFORD, Kings Co., Cal.—Petitions received by the City Council for paving Dooty street from Eighth street to the north county highway and Eighth street from Redington to Phillips, thence north to West Ninth street have been laid over for further consideration.

Eighty per cent of the property owners signed the petitions.

YUBA CITY, Sutter Co., Cal.—The County Supervisors, Albert Brown, County Clerk, has instructed County Engineer Edward Von Geldern to proceed with the preparation of plans for the new roads to be built in the county. It is the plan of the Board to take bids on various types of paving.

TURLOCK, Stanislaus Co., Cal.—Plans for the improvement of Marshall street have been adopted by the City Trustees and bids will be called shortly. The pavement will extend the entire length of the street.

OKADALE, Stanislaus Co., Cal.—Action on the proposed paving of streets, as outlined by the Okadale Chamber of Commerce, has been laid over for further consideration by the City Trustees. It is planned to raise the necessary funds by bond issue.

FAIRFIELD, Solano Co., Cal.—A petition has been received by the Supervisors asking the formation of a road district in the vicinity of Vacaville township to enable that territory to vote bonds with which to secure funds for road improvements. G. G. Halliday is County Clerk.

STOCKTON, San Joaquin Co., Cal.—The County Supervisors, Eugene D. Graham, County Clerk, have awarded a contract to pave the West Side river road to J. E. Johnson of Tracy, and to Will Moreing, Commercial & Savings Bank Bldg., Stockton, for the Victor and Dustin roads.

SAN FRANCISCO.—Plans for the extension of Hyde street through the Civic Center are being prepared by the Bureau of Architecture of the Board of Public Works.

STOCKTON, San Joaquin Co., Cal.—The County Supervisors, Eugene D. Graham, County Clerk, have instructed County Engineer Quail to prepare plans for the improvement of the Manteca-Ripon road, the pavement to be about eight miles in length, four miles south Manteca and thence east into Ripon.

EUREKA, Humboldt Co., Cal.—The

City Council is considering the improvement of B street between A and C streets with a 4-inch concrete base wearing surface.

City Engineer Hannah has been instructed to submit a report giving estimates of the proposed work.

REDDING, Shasta Co., Cal.—Wade G. Moores, District Manager for the Pacific Gas and Electric Company, has received word from President John A. Britton that \$18,000 has been appropriated for improvements to the Redding lighting system, to be expended as follows:

6 inch pipe, gas works storage holder to Pine street, 1380 feet.

4 inch pipe, on Pine street from South to Trinity streets, 3000 feet.

3 inch pipe, on South street, from Court street to West (pipe reclaimed), 420 feet.

3 inch pipe, on Trinity from Pine to Market, (pipe reclaimed), 400 feet.

2 inch pipe, on West street, from South to Yuba, 320 feet.

2 inch pipe, on West street, from Butte to North, 1130 feet.

2 inch pipe, on North street, from West to Court, 420 feet.

2 inch pipe, on Placer street, from West to Willis, 760 feet.

2 inch pipe, on Pine street, from South to Lincoln, 1000 feet.

2 inch pipe on Lincoln street, from Pine to dead end, 100 feet.

2 inch pipe on Butte street, from Pine to Liberty, 810 feet.

SAN LEANDRO, Alameda Co., Cal.—The City Trustees have passed Resolution of Intention No. 944, N. S., providing for the improvement of Williams street from the west line of Washington avenue to the west boundary of the city, by grading; constructing redwood curbing and paving with macadam.

J. J. Gill is City Clerk.

COALINGA, Fresno Co., Cal.—Bids received by the City Trustees for the paving and grading of the Elm extension to the State Highway have been rejected and the work ordered done under the supervision of the City Engineer. Bids for the work were submitted as follows:

J. H. Donovan, Los Angeles, \$13,457

J. H. Vaughn, Hanford, \$13,226

Engineer's Estimate, \$11,000.

SAN ANDREAS, Calaveras Co., Cal.—At the last meeting of the County Supervisors the opening of the bids for furnishing material and labor for graveling the Big Bar Grade between McMillum River and the town of Mokelumne Hill was laid over until the next meeting. A. W. Poe is County Clerk.

LOS ANGELES, Los Angeles Co., Cal.—The following bids were received by the Board of Supervisors of Los Angeles County for grading and paving 5.62 miles of Saugus-Ventura Road in Road District No. 5:

Geo. S. Benson & Son, 520 Stimson Bldg., Los Angeles (1) 75c per cu. yd. for excavation; (2) 12c per lin. ft. for shaping road bed; (3) \$1.65 per ton for placing disintegrated granite; (5) \$1.25 sq. yd. for concrete paving; (6) \$22 cu. yd. for concrete culverts; (7) 10c per lb. reinforcing steel; (7-a) (1) 3c sq. ft.; rolled wire mesh; (2) 3c sq. ft.

for sheet wire mesh; (10) \$6 per lin. ft. 36-in. corrugated metal pipe; \$4.50 per ft. for 24-in. corrugated metal pipe; \$4 per ft. for 18-in. corrugated metal pipe; (11) 80c per lin. ft. for guard rail; (16) alterations C-614, \$500 C-615, \$700.

C. H. Hudson, Los Angeles (1) 65c; (2) 20c; (3) \$1.50; (5) \$1.35; (6) \$22; (7) 10c; (7-a) (1) .5c (2) .4c; (10) (a) \$6.15; (b) \$4; (c) \$3.25; (11) \$1—; (16) \$1850 and \$500.

Chas. D. Soterias, Los Angeles (1) 94c; (2) 25c; (3) \$1.75; (5) \$1.21; (6) \$15; (7) 10c; (7-a) (1) 6c; (2) 5c; (10) (a) \$7.50; (b) \$4; (c) \$4; (11) \$1; (16) \$1000 and \$1000.

T. E. Hill & Co., Los Angeles (1) 94c; (2) 22c; (3) \$2; (5) \$1.89; (6) \$20; (7) 8½c; (7-a) (1) 2c; (2) 3c; (10) (1) \$6.34; (2) \$5.25; (3) \$3.81; (11) \$1; (16) \$1595 and \$10.

Rogers Bros Co., Los Angeles (1) 60c; (2) 30c; (3) \$1.35; (5) \$1.10; (6) \$20; (7) 10c; (7-a) (1) ½c; (2) 4c; (10) (1) 5c; (2) 43; (3) \$2; (11) \$1.25; (16) \$2250 and \$500.

The approximate quantities are: 23,500 cu. yds. excavation; 29,270 lin. ft. shaping roadbed; 59,440 sq. yds. concrete paving 5 in. thick and 18 in. wide; 42 c. yds. concrete for headwall; 1800 lbs. reinforcing steel; 46 ft. 36-in. 17½ ft. 24-in. and 12½ ft. 18-in. corrugated metal pipe culvert and 1000 ft. standard guard fence. There will also be alterations and additions to two pile trestles, one to be raised 2 ft., and the other to be raised and moved, requiring driving of some new piles. The county will furnish cement, 12,470 bbls.

SAN DIEGO, Cal.—H. D. Hallett, 122 Downer Place, Aurora, Ill., was awarded the contract at \$185,600, omitting domestic water mains planned separately from fire mains, for constructing water and sewer systems for the Marine base on Dutch Flats, San Diego, under Specification 4007. Hallett's bid did not include the fuel oil storage reservoir, for which separate bids will be taken this month.

SANTA CRUZ, Santa Cruz Co., Cal.—The Supervisors have awarded a contract to the Granite Rock Co. Salinas, for furnishing and delivering crushed rock for use on the county highway unit between Santa Cruz and Soquel and the Bay Development Co., 152 Berry St., San Francisco, for furnishing Lapis sand.

MODESTO, Stanislaus Co., Cal.—The Standard Paving Co., 9th and "N" Sts., Modesto, has been awarded a contract by the Board of Directors of the Modesto Irrigation District at 23 cents per square foot for paving the district's property along "H" street, the total cost of the work being \$1,725.23.

W. W. Erwin of Modesto was awarded the contract for curbing and gutters at 86 cents per lineal foot, the bid of the Standard Paving Co. for this work being \$1.00 per lin. ft.

Percy F. Jones is Chief Engineer of the Modesto Irrigation District.

CLIFTON, Ariz.—Webster Co. (Webster, Webster & Kerby), have been awarded contracts at \$71,896.13 for constructing Sec. No. 1 and at \$38,317.14 for constructing Sec. No. 2 of the Clifton-Franklin highway, Federal aid project No. 13. The contracts have been forwarded to Washington for ap-

proval by the U. S. Bureau of Public Roads. This project is known as the Ward Canyon cut-off. The contracts involve 32,000 cubic yards road excavation, 6,000 cubic yards borrow excavation, 25,000 cubic yards unclassified excavation, 2,426 cubic yards excavation for bridges, 2,630 cubic yards Class A concrete for bridges, 634 cubic yards Class B concrete, 84,707 lbs. reinforcing steel and incidental items.

COLUSA, Colusa Co., Cal.—December 29th is the date set by the City Trustees to decide the question of issuing and selling bonds of \$20,000 with which to complete construction for the proposed municipal swimming pool, plans for which have been prepared by Architect Martin A. Sheldon, 110 Sutter St., San Francisco.

LOS ANGELES, Los Angeles Co., Cal.—Rogers Bros. Co., 350 Merrick St., Los Angeles, was awarded the contract on December 5 at \$65,581.74 for constructing 2.4 miles of 1:2:4 concrete paving 8 inches thick and 24 feet wide with disintegrated granite shoulders on Harbor Truck Blvd. (Alameda St.) between Burton St. and south limits of Compton. The contract price is based on wire mesh in sheets, there being 316,286 square feet of this reinforcement. There will be 53,500 cubic yards excavation, 29,270 feet shaping roadbed, 59,440 square yards concrete paving, 43 cubic yards concrete in culverts, 1800 lbs. reinforcing steel, 46 feet 36-in., 179½ feet 24-in. and 132½ feet pipe culverts and two pile bridges. County furnishes cement and disintegrated granite.

RAILROADS

SAN FRANCISCO—The Board of Public Works has awarded a contract to the U. S. Steel Products Company, Rialto Bldg., for furnishing and delivering track special work under Contract No. 122 of the Municipal Railway System.

FIRE EQUIPMENT

SACRAMENTO, Cal.—Following bids were received by the City Commissioners, M. J. Desmond, City Clerk, for furnishing and delivering 1,000 feet of first class firehose:

C. C. C. Fire Hose Co., per ft.	\$1.20
American Rubber Co., per ft.	1.10
Republic Rubber Co. of Cal., per ft.	
Elmth-Winchell Hardware Co., per ft.	\$1.15
The bids were referred to Commissioner G. C. Simmons.	\$1.38

HILLSBOROUGH, San Mateo Co., Cal.—December 27th is the date set by the Town Trustees to decide the question of issuing and selling bonds of \$15,000 with which to purchase a modern fire engine, equipment and the housing of same.

PLACERVILLE, El Dorado Co., Cal.—At a meeting of Fire Company No. 1 a committee was appointed to secure estimates of costs, etc., for the installation of a fire alarm system. The Trustees have \$200 on hand for such a purpose and will appropriate additional funds, if a system can be installed at a reasonable cost.

NEW STYLE OF ARCHITECTURE.

Long Sought and Made Possible Only Through the Employment of Modern Reinforced Concrete.

Planning a memorial church to be built entirely of concrete, an American architect introduces a novel mode of construction and claims to have found "what architects for centuries have failed to produce—an entirely new and pure style of architecture. Pure, because it conforms to all the essential ideas of architecture; new, because only modern reinforced concrete has made it possible." The structure takes advantage of the plasticity of reinforced concrete, and the building which would be practically monolithic when finished, would have its external and internal forms identical to a degree new to architecture; its vaults would spring direct from the floor level and there would be no separating distinction between walls and roof. In fact, one might say that the building would be "all roof, and have no structural walls whatever." Architectural opinion may fall of unanimous approval; yet it must be admitted that the plan seems to adapt itself logically to the medium in which it is to be worked out, which is an important point in its favor.—Exchange.

WHITE BROS. ISSUES TRADE BULLETIN.

White Bros., hardwood dealers, 5th and Brannan streets, under Trade Bulletin No. 15, reports the following of interest to those connected with the building industry:

"During the war the price of hardwoods did not rise to any great extent as compared to other commodities, but almost immediately following the armistice a change was felt. As industries which were dormant during the progress of hostilities came to life again and gathered headway, the onward swing of business was uninterrupted and we are now in the full flood of it. Varieties of hardwoods which were in no demand during the war period, on account of building restrictions, change of industries from ordinary production to war time basis, etc., suddenly were in great demand and the available stocks were gathered up immediately. Europe commenced to come into the market as a purchaser and the export trade resulting was a great factor.

"As winter approaches, the conditions in the hardwood producing sections are shaping themselves and it looks as though the scarcity of all American hardwoods will soon be acute. Car shortage, wet weather, enormous domestic and foreign demand are all working toward an ever rising market. Prices within the last month have gone up from \$10 to \$60 per thousand and from all indications the end is not yet in sight.

A special feature of the market is the extreme scarcity of hardwood products other than rough boards, such as flooring and veneered panels. These are both in great demand and difficult to obtain. The factories report orders booked which will take their output for months ahead. Many manufacturers will not accept future business except to be billed at the market prices ruling at time of shipment.

Foreign woods have not had the same impetus as domestic woods. Some of the imported woods such as Jenseiro, for instance, are actually cheaper than any high class American hardwoods.

It would ordinarily be expected that the wide spread of the coal strike and the steel strike would cause a curtailment of purchases in hardwoods and a consequent falling off in price, but it is proof of the abnormality of the times that the market for hardwood lumber is just as active as it was before the strikes and prices have advanced instead of lowering.

Lumber statistics reveal a startling condition in the relationship between stocks of hardwoods on hand and current demand. There is no reason for anticipating anything but a continuance of the present excessive demand, and therefore a continuance of the present high scale in prices, except in the event of some extreme development or economic upheaval of which at present there is apparently no sign in the horizon.

Copies of the Bulletin may be secured by a phone request or letter.

ROAD BUILT OF EPSOM SALTS.

Texas to Have Unique Highway Ten Miles Long, Say State Highway Officials.

AUSTIN, Tex.—A road of epsom salts is an attraction Texas can soon hold out to tourists, according to the State Highway Department.

Ten miles of highway out of Rockport is being surfaced with a material which analyzes more than one-fourth epsom salts. The material is obtained from flats where constant evaporation of gulf water has left salt strongly impregnated with salts, among which the epsom variety predominates.

Highway engineers declare the mixture forms an excellent road surfacing material, as the salts absorb enough moisture from the air to keep the roads damp, free from dust and firm on the driest days. One trouble, however, is that the road becomes very slippery during wet weather, but this is overcome by adding a small proportion of shell and regulating the slope of the surface.

MAY USE WALL PAPER TO ILLUMINATE ROOM.

WHITTIER, Cal.—The days of the electric light may be numbered.

Wall paper, of a radio-active type which will illuminate the room softly, evenly and permanently, is to be the successor to electricity, if experiments now being carried on by Montville Wood, scientist, who was in the employ of the government during the war, prove successful.

Wood exhibited specimens of his wall paper at a lecture to students of Whittier College, and all who saw them said they certainly glowed and furnished the required light.

The underlying basis of Wood's experimentation is the ability of certain materials to continue to radiate light after having been acted upon by the sun. He is working on the perfection of a substance which when pressed into common wall paper, will give the continuous light.

CONTRACTS AWARDED

Liens, Acceptances, Etc.

BUILDING CONTRACTS

San Francisco County

No.	Owner	Contractor	Am't.
2880	Collette	Owner	\$75
2881	York Killy	Helbush	10000
2882	Olsen	Todhunter	1000
2883	McCarthy	Arnott	2880
2884	Willits	Western	20870
2885	O'Connor	Bjorkman	13872
2886	O'Connor	Rehn	2088
2887	M. E. Chr	Stockholm	69000
2888	Johnson	Owner	\$300
2889	O'Brien	Chevalier	\$80
2890	Sprague	Giusti	500
2891	Stoff	Kincannon	10000
2892	Kovell	Duncan	20000
2893	Moller	Owner	\$0000
2894	Baltor	Owner	800
2895	Cal. Pack'g	Owner	15000
2896	Chevalier	Owner	5000
2897	Schloss	Folsom	1329
2898	Schloss	Royal	3691
2899	Schloss	Fuller	2029
2900	Mariani	Guilfo	1258
2901	Mariani	Scott	1058
2902	Mariani	Atlas	3900
2903	Mariani	Bradley	240
2904	De La viaga	Hansbrough	14000
2905	Lame	Arras	6000
2906	Edwards	Bilson	2000
2907	Kruse	Owner	4000
2908	Johnson	Owner	1400
2909	Taussig	McFairsh	800
2910	Knight	Moore	940
2911	Smith	Kronnick	500
2912	Kemp	Nelson	12370
2913	Schmidt	Whitton	22800
2914	S. P. C. A.	Owner	940
2915	Florsheim	Mathies	500
2916	Wilson	Connary	1000
2917	Koerber	O'Brien	15127
2918	De Lavagna	Colman	38108
2919	McCaIn	Hansen	10540
2920	Kranskoff	Owner	750
2921	McKee	McRae	1000
2922	Drews	Mager	800
2923	Goldberg	Spargo	7550
2924	Schmidt	Dyer	29120
2925	Tiscornia	Owner	4000
2926	Berg	Owner	2000
2927	Nelson	Nelson	3000
2928	Webster	Cohn	26343

PERMITS.

DWELLING.
(2880) S CONCORD bet. Morse and Mission One-story and basement frame dwelling.
Owner—W. W. Collette 619 Morse, San Francisco.
Architect—None.
COST, \$975

STORE AND FACTORY

(2881) SW CORNER OF GARY AND SUTTER. Two-story brick and auto-top factory.
Owner—York Realty Co. 40 Montgomery St., San Francisco.
Architect—W. L. Schmolle, 40 Montgomery, San Francisco.
Contractor—H. H. Helbush, 40 Montgomery, San Francisco.
COST, \$100,000

GARAGE

(2882) NO 800 MIRAMAR. One-story frame private garage.
Owner—C. V. Olsen, Premises.
Architect—Ida F. McCaIn, 321 Kearny, San Francisco.
Contractor—Geo. C. Todhunter, 442 29th Ave., San Francisco.
COST, \$1000

COTTAGE

(2883) LOT 13, BLK. A, Lakeview. All work for a one-story cottage.
Owner—The McCarthy Co. 316 Bush St., San Francisco.
Architect—James Arnott & Son, 2223 19th Ave., San Francisco.
Contractor—James Arnott & Son, 2223 19th Ave., San Francisco.
Filed Dec. 8, '19. Dated Nov. 22, '19.
Frame up 25%

Brown coated 25%
Completed and accepted 25%
Equal 35 days 25%
TOTAL COST, \$2630
Bond, Sureties, Forfeit, none. Limit, 30 days. Plans and specifications filed.

STORAGE TANKS

(2884) BEG. AT A POINT 808.2 S from S line of Jettis St. 370.13 of Third St. S 100xR 100. Six vegetable oil storage tanks with connecting apparatus and appurtenances. Two tanks 1000-ton capacity; 2 for 250 tons and 2 for 80 tons.
Owner—Willits & Patterson, 1 Drumm, San Francisco.
Engineer—C. A. Watts, 24 California San Francisco.
Contractor—Western Pipe & Steel Co. of California (a corp.), 444 Market, San Francisco.
Filed Dec. 8, '19. Dated Dec. 6, '19.
When material is placed on land 25% approval is issued 50%
Usual 35 days 25%
TOTAL COST, \$20,870
Bond, \$20,000. Sureties, National Surety Co. Forfeit, none. Limit, 30 days after notification. Specifications only filed.

APARTMENT BLDG.

(2885) E JULIAN 125 N 16th. N 30xE 84. All work except plumbing and fixtures, electric fixtures and window shades for a three-story frame apartment building.
Owner—Nellie O'Connor, 179 Julian San Francisco.
Architect—None.
Contractor—John Bjorkman, 51 Seville, San Francisco.
Filed Dec. 8, '19. Dated Dec. 2, '19.
Frame up \$3493
Brown coated 3493
Completed and accepted 3493
Usual 35 days after 3493
TOTAL COST, \$13,972
Bond Sureties, none. Forfeit, \$10. Limit, 120 days. No plans or specifications filed.
NOTE: Permit reported Dec. 5. No. 2653.

PLUMBING, ETC ON ABOVE

(2886) PLUMBING AND GASFITTING on above.
Contractor—George Rehn, 2034 Mission, San Francisco.
Filed Dec. 8, '19. Dated Dec. 8, '19.
Plumbing roughed in \$763.50
Completed and accepted 763.50
Usual 35 days 509.00
TOTAL COST, \$2036
Bond, Sureties, forfeit none. Limit, as soon as possible. No plans or specifications filed.

BUILDING

(2887) SW ELGIN PARK and McConpin E 75xS 100. All work for three-story class C building (Wesley Hall).
Owner—Board of Missions of the M. E. Church, South.
Architects—Hugh C. White, 734 42nd Ave., and T. R. Koneberg, Crocker Bldg., San Francisco.
Contractor—Chas. Stockholm & Sons, Monadnock Bldg., San Francisco.
Filed Dec. 8, '19. Dated Dec. 2, '19.
On before 1st of each month 75%
Usual 35 days 25%
TOTAL COST not to exceed \$65,000; contractor to receive \$4,000.
Bond, \$25,000. Sureties, New Amsterdam Casualty Co. Forfeit, \$10. Limit, 270 days. Plans and specifications filed.

DWELLING

(2887) W FOURTEENTH 174 N Cabrillo. Two-story and basement frame dwelling.
Owner—J. Harold Johnson, 771 25th Ave., San Francisco.
Architect—None.
Day's Work. COST, \$9300

ALTERATIONS

(2888) NO. 1543 NEWCOMBE AVE. Move and make general changes on residence, concrete work, etc.
Owner—Thos. O'Brien, 552 Diamond, San Francisco.
Architect—None.
Contractor—J. A. Chevalier, 82 Flora, San Francisco.
COST, \$360

ALTERATION

(2888) NO. 1032 WASHINGTON. Enlarge kitchen and add one room to dwelling.
Owner—R. Sprague, Premises.
Architect—None.
Contractor—S. A. Giusti, 617 Sansome, San Francisco.
COST, \$500

MACHINE SHOP

(2890) W POLK 30 S O'Farrell. One-story brick machine shop. 30x97-6.
Owner—Louis D. Stork, care architect.
Architect—C. O. Clausen, Hearst Bldg., San Francisco.
Contractor—J. G. Kincannon, care architect.
COST, \$10,000

FACTORY

(2891) SW BRYANT AND 19th. Three-story brick factory.
Owners—Chas. H. Lovell and Union Trust Company of San Francisco as trustees under trust created by the will of Chas. Lathrop, deceased.
Architect—Sam Lightner Hyman, 1102 Crocker Bldg., San Francisco.
Contractor—W. C. Duncan & Co., Sharon Bldg., San Francisco.
COST, \$52,000

GARAGE

(2892) S O'FARRELL 80 E Polk. One-story concrete public garage, 52-6x 12-0.
Owner—R. W. Moller, 614 Call Bldg., San Francisco.
Architect—None.
COST, \$30,000

ALTERATION

(2893) NO. 569 TWELFTH AVE. Erect brick and terrazzo steps, change partitions, etc. for flats.
Owner—J. Baltor, 658 12th Ave., San Francisco.
Architect—E. S. Holland, 1629 Folsom, San Francisco.
Day's work. COST, \$800

ALTERATION

(2894) SW JEFFERSON and Leavenworth. Raise roof and erect one additional story (50x137-6) brick and frame for cannery.
Owner—California Packing Corp., 101 California, San Francisco.
Engineer—Phillip L. Bush, 101 California, San Francisco.
COST, \$15,000

(2895) NOS. 360-362 GEARY. Alter store front, show windows, partitions, etc.
Owner—R. O. Chevalier, Stanford Court Apts., San Francisco.
Architect—P. Righetti, 668 Phelan Bldg., San Francisco.
COST, \$5000

STRUCTURAL IRON, ETC.

(2896) SW GEARY AND FIFTEENTH Ave W 142 S 100 E 39-5 1/2 SE 5 1/2 in. E 102-5 1/2 — 100-5 O L 259. Ornamental and structural iron work for two three-story and basement frame apartment houses.
Owner—Ben Schloss.
Architect—August G. Headman, Call Bldg., San Francisco.
Contractor—Folsom Street Iron Works, 18th and Treat Ave., San Francisco.
Filed Dec. 9, '19. Dated Nov. 1, '19.
Fire escape brackets in place and approved \$350
Fire escapes completed 150
Completed and accepted 204
Usual 35 days 335

TOTAL COST, \$1330
Bond, none. Limit, 30 days. Forfeit, \$10. Plans and specifications filed.

(2697) **HARDWOOD FLOORS ON**
above.
Contractor—Royal Floor Co., 110 Jessie St., San Francisco.
Filed Dec. 9, '19. Dated Nov. 1, '19.
Hardwood floors laid on 2nd and 3rd floors \$1845.00
Completed and accepted \$275
Usual 35 days \$275
TOTAL COST, \$3691.00
Bond, none. Limit, 30 days. Forfeit, \$10. Plans and specifications filed.

(2698) **GLASS AND GLAZING ON**
above.
Contractor—W. P. Fuller & Co., Beale and Mission, San Francisco.
Filed Dec. 9, '19. Dated Nov. 1, '19.
Completed \$1521
Usual 35 days \$508
TOTAL COST, \$2029
Bond, none. Limit, 40 days. Forfeit, \$10. Plans and specifications filed.

GALVANIZED IRON WORK
(2699) **W MISSION 263-0 1/2 S 29th S**
66-2 W 74 S 42-9 W 25-9 S 14-10 W
66-2 N 123-9 E 160 and strip 8 feet
wide on N bdy of above 116-11 W
Mission and right of way 8 feet wide
along N bdy of above. Galvanized
iron for theatre building.
Owner—Stephen Mariani, 2881 23rd St.,
San Francisco.
Architect—Reld Bros., 105 Montgomery
St., San Francisco.
Contractor—Guilfoyle Corncor Works,
209 8th St., San Francisco.
Filed Dec. 9, '19. Dated Nov. 28, '19.
On 7th of each month 75%
Usual 35 days 25%
TOTAL COST, \$1056
Bond, \$650. Sureties, Jas. Guilfoyle and
Howard C. Castle. Limit, as fast as
required. Forfeit, \$20. Plans and
specifications filed.

(2700) **FLOOR TILING ON ABOVE.**
Contractor—Scott Co., 243 Minna St.,
San Francisco.
Filed Dec. 9, '19. Dated Nov. 21, '19.
On completion 75%
Usual 35 days 25%
TOTAL COST, \$1056
Bond, \$528. Sureties, H. M. Smith
and Peter F. Scott. Limit, as fast as
required. Forfeit, \$20. Plans and
specifications filed.

(2701) **HEATING AND VENTILATING**
on above.
Contractor—Atlas Heating & Ventilating
Co., 72 Feron, San Francisco.
Filed Dec. 9, '19. Dated Nov. 29, '19.
On 7th of each month 75%
Usual 35 days 25%
TOTAL COST, \$3900
Bond, \$2000. Sureties, V. Passalo and
E. V. Lacey. Limit, 15 days after other
branches of work will permit
completion. Forfeit, \$20. Plans and
specifications filed.

(2702) **FIREPROOF PARTITIONS,**
furring, lathing and plastering on
above.
Contractor—Peter Bradley, 180 Jessie
St., San Francisco.
Filed Dec. 9, '19. Dated Nov. 29, '19.
Payments same as above.
TOTAL COST, \$9723
Bond, \$4865. Sureties, W. C. Duncan &
P. Kelly. Limit, main auditorium,
35 days after concrete walls and roof
slabs are formed; balance, 10 days
thereafter. Forfeit, \$10. Plans and
specifications filed.

(2703) **ELECTRICAL WORK ON**
above.
Contractor—Butte Electrical Equip-
ment Co., 520 Polson, N. F.
Filed Dec. 9, '19. Dated Nov. 20, '19.
Payments same as above.
TOTAL COST, \$3139
Bond, \$1570. Surety, Nieuw Amsterdam
Casualty Co. Limit, to be completed
10 days after other branches of work
permit completion. Forfeit, \$20. Plans
and specifications filed.

ALTERATIONS
(2704) **NOS. 22, 24, 26, 28, 30, 32 and**
2705) N Octavia and Haight S
78x E 70. All work for alterations and
additions to buildings known as
Court Flat.
Owner—De Laveaga Estate Co., 244
California, San Francisco.

Architect—None.
Contractor—George W. Hansbrough,
380 Bush, San Francisco.
Filed Dec. 9, '19. Dated Nov. 28, '19.
Every 7 days after beginning \$1050
31 days after, 25% \$500
TOTAL COST, \$14,000

Bond, none. Limit, 75 days after Dec.
1, 1919. Forfeit, none. Plans and
specifications filed.
NOTE—Permit reported Nov. 21,
1919, No. 2526.

GARAGE
(2705) **W HOFF AVE 247 S 16th S**
47-5x W 92-6. All work except paint-
ing for one-story concrete garage.
Owner—J. A. Lame.
Architect—Arthur S. Bubgee, 316 Shar-
on Bldg., San Francisco.
Contractor—Adam Arras, 110 Jessie,
San Francisco.
Filed Dec. 9, '19. Dated Oct. 21, '19.
All work to be done \$2250
Completed and accepted 2250
Usual 35 days 1500
TOTAL COST, \$6000

Bond, \$4500. Surety, Fidelity & De-
posit Co. Limit, 45 days. Forfeit, none.
Plans and specifications filed.
NOTE—Permit reported Nov. 12,
1919, No. 2464.

ALTERATIONS
(2706) **NOS. 370-372 FIFTH.** Change
front and partitions and install post
and girders.
Owner—Dr. Wm. Edwards, 240 9th Ave.,
San Francisco.
Architect—None.
Contractor—A. Erlson, 326 Fulton St.,
San Francisco.
COST, \$2000

SHAVING INCINERATOR
(2707) **SW TWENTY-THIRD AND**
Shotwell. Erect shaving incinerator
Owner—J. H. Kruse, Premises.
Architect—Capt. W. W. Breite, 600
Clunie Bldg., San Francisco.
Day's work. **COST, \$4000**

FRAME DWELLING
(2708) **N HOLLOWAY 100 E Brighton.**
One-story and basement frame dwlg.
Owner—C. Johnson, 274 Miramar,
San Francisco.
Architect—None.
Day's work. **COST, \$1400**

ALTERATIONS
(2709) **N. 3866 CLAY.** Alter for base-
ment garage.
Owner—E. H. Taussig, Premises.
Architect—None.
Contractor—W. J. McTairish, Trost
Apmts., San Francisco.
COST, \$800

REPAIRS
(2710) **N. 557 MISSION.** Repair fire
damage. Carpentry, mill and sheet
metal work, glazing, hardware, etc.,
for stores.
Owner—Mrs. Samuel Knight, Kohl
Bldg., San Francisco.
Architect—Nathaniel Blaisdell, 255 Cal-
ifornia St., San Francisco.
Contractor—Moore & Watson, 110
Jessie, San Francisco.
COST, \$600

ALTERATIONS
(2711) **N. 318 THIRD.** Alter front
and re-arrange partitions for cigar
store.
Owner—S. S. Smith, 816 Pacific Bldg.,
San Francisco.
Architect—None.
Contractor—Kronnick Bros., 1659
O'Farrell, San Francisco.
COST, \$500

FRAME BUNGALOW
(2712) **LOTS 1 AND 2 BLK 3175 WEST-**
WOOD PARK. All work for one-story
frame bungalow.
Owner—J. Richard Kemp, 145 2nd St.,
San Francisco.
Architect—Chas. K. Strothoff, 2276 15th
St., San Francisco.
Contractor—Nelson Bros., 1375 Ply-
mouth Ave., San Francisco.
Filed Dec. 10, '19. Dated Nov. 26, '19.
On delivery of deeds by owner of
lots 12 and 13 Blk 3165 Westwood
Deed of Trust for \$1890
Frame up 3120
Brown coated 1875
Completed and accepted 1875
Usual 35 days 1875
TOTAL COST, \$12,310

Bond, \$9050. Sureties, Chas. Monson &
Edwin Peterson. Limit, 90 days. For-
feit, none. Plans and specifications
filed.

ADDITION
(2713) **E SECOND 200 N Bryant.** Five-
story brick addition for lithographing
plant.
Owner—Schmidt Lithographing Co.,
Premises.
Construction Manager—Frederick
Whitton, 805 Exchange Block, San
Francisco.
COST, \$228,000

ALTERATION
(2714) **NO. 233 GRANT AVE.** Alter-
ation for club rooms.
Owner—S. F. Council Catholic Women,
Premises.
Architect—Smith O'Brien, 742 Market,
San Francisco.
Contractor—F. A. Brockhage, 1326 Na-
toma, San Francisco.
COST, \$910

ALTERATION
(2715) **E POWELL 120 N Ellis.** New
store front and shelving.
Owner—Florsheim-Schaefer Co., 43
Kearny, San Francisco.
Architect—Sidney E. Newsom, Nevada
Bank Bldg., San Francisco.
Contractor—H. C. Matthias, 180 Jessie,
San Francisco.
COST, \$500

ALTERATION
(2716) **NO. 220 MARKET.** Erect mez-
zanine floor in bakery.
Owner—R. O. Wilson, Fife Bldg., San
Francisco.
Architect—None.
Contractor—W. T. Commary, 601
Crocker Bldg., San Francisco.
COST, \$1000

RECORDED.
ALTERATIONS & ADDITIONS
(2717) **SE ELLIS and Divisadero**
37 Irving. All work except plumbing,
painting, heating and light fixtures
for alterations and additions to a 3-
story and basement frame flat build-
ing consisting of 12 apartments.
Owner—Sophia Koerber, 2100 Pacific
Ave., San Francisco.
Architect—John F. Beutler, 110 Sut-
ter, San Francisco.
Contractor—H. P. Otten, 555 25th Ave.,
San Francisco.
Filed Dec. 11, '19. Dated Dec. 1, '19.
Payments as work progresses. **TOTAL COST, \$15,127**
Bond, Sureties, Forfeit, none. Limit,
70 days. Plans and specifications
filed.
NOTE—Permit reported Dec. 2, 1919,
No. 2825.

(2718) **NW FELL and Franklin W**
137-6x N 120, W. A. 140. All work for
a one-story factory building.
Owner—De Laveaga Estate Co., 244
California, San Francisco.
Architect—Plans by owner.
Contractor—A. D. Collman, 110 Jessie,
San Francisco.
Monthly payments of 75%
Usual 35 days after 25%
TOTAL COST, \$38,108
Bond, \$19,054. Sureties, Fidelity &
Deposit Co. of Maryland. Forfeit,
none. Limit, 75 days after notification.
Plans and specifications filed.
NOTE—Permit reported Dec. 8, 1919,
No. 2676.

BUNGALOW AND GARAGE
(2719) **NW MAXON and Monterey**
Blvd., being lot 1 and E 15 feet lot 2
and E 15 feet lot 20, Blk. 3106 West-
wood Park. All work for a one-
story and basement bungalow and
garage.
Owner—Ida F. McCain, 318 Kearny,
San Francisco.
Architect—Ida F. McCain, 318 Kearny,
San Francisco.
Contractor—H. J. Hansen, 1327 20th
Ave., San Francisco.
Frame up and enclosed \$2500
Brown coated 2500
Completed and accepted 2500
Usual 35 days after 2500
For additional brick work 540
TOTAL COST, \$10,540
Bond, \$5,000. Sureties, E. V. Lacey and
E. Edgerton. Forfeit, none. Limit, 90
days. Plans and specifications filed.
NOTE—Permit also applied for to-
day.

ADDITION

(2720) NO. 262 HENRY. Addition of two rooms and tar and gravel roof. Owner—H. F. Kranskoff, Premises. Architect—None.

COST, \$750

ALTERATIONS

(2714) NO. 367 GOLDEN GATE AVE. Underpinning for auto sales room. Owner—M. A. McRae, 2243 Virginia St., Berkeley.

Architect—None.
Contractor—MaeRae, 2243 Virginia St., Berkeley.

COST, \$1000

ALTERATIONS

(2722) SW ARMY & FOLSOM. Alter store into 3 rooms and concrete foundation.

Owner—H. Drewes, 3088 24th, S. F. Architect—None.
Contractor—Mager Bros., 1818 Valencia St., San Francisco.

COST, \$800

BRICK STORE BUILDING

(2723) N. POST E. of Hyde adj. garage 440 Post. All work for one-story brick store building.
Owner—Goldberg Bowen & Co., 254 Sutter St., San Francisco.

Architect—Helman, 57 Post St., San Francisco.

Contractor—John Spargo, 240 Montgomery St., San Francisco.

Filed Dec. 12, '19. Dated Dec. 11, '19.

Roof on.....\$187.50

White coated.....187.50

Completed and accepted.....187.50

Usual 35 days.....187.50

TOTAL COST \$7550.00

Bond, \$7550. Sureties, Jos. Mulvihill & Jno. Hayden. Limit, 50 days. Forfeit, none. Plans and specifications filed.

STRUCTURAL STEEL, ETC.

(2724) SECOND TO STERLING. Structural steel and cast iron for 5-story brick and reinforced concrete addition to lithograph plant.

Owner—Schmidt Lithograph Co. Prem. Contr. Manager—F. Wendling, Whittion, 369 Pine St., San Francisco.

Contractor—Dyer Bros. Golden West Iron Works, Inc., 17th and Kansas Sts., San Francisco.

Filed Dec. 12, '19. Dated Dec. 2, '19.

On 10th of each month.....75%

Usual 35 days.....\$29,210

TOTAL COST \$29,210

Bond, \$14,605. Sureties, Geo. H. Dyer and L. W. Dyer. Limit, on press room, 30 days after Jan. 1st, 1920; balance to be completed 35 days after other steel is received from East. Forfeit, none. Plans and specifications filed.

FRAME DWELLING

(2725) SE OCEAN AND OTSEGO. One story and basement frame dwelling.

Owner—D. Escoria, 231A Delano Ave., San Francisco.

Architect—None.

Day's work.....COST, \$4000

COMPLETE DWELLING

(2726) NO. 1649 ELEVENTH AVE. Complete work on dwelling.

Owner—Wm. D. Berg, 420 32nd Ave., San Francisco.

Architect—None.

Day's work.....COST, \$2000

FRAME DWELLING

(2727) E. TWENTY-SIXTH AVE 150 N. Henry. Two-story and basement frame dwelling.

Owner—N. J. Nelson, 715 26th Ave., San Francisco.

Architect—None.

Day's work.....COST, \$3000

CLASS "C" STORES

(2728) S BUSH 68-6 E Powell E 69x S 67-6. All work for one-story and basement Class "C" buildings (stores).

Owner—George A. Webster, 182 Drumm St., San Francisco.

Architect—Edw. Foulkes, 1106 Crocker Bldg., San Francisco.

Contractor—Louis Cohn, Merchants National Bank Bldg., San Francisco.

Filed Dec. 11, '19. Dated Dec. 11, '19.

On or before 10 days after the 1st and 15th of each month.....75%

Usual 35 days.....25%

TOTAL COST not to exceed \$26,845.

Contractor to receive cost plus \$1250.

Bond, \$13,172. Sureties, Geo. Cohn and Morris Black. Limit, 75 days. Forfeit, none. Plans and specifications filed.

NOTE—Permit reported Dec. 5, 1919.

No. 2647.

COMPLETION NOTICES

San Francisco County

Dec. 4, 1919—S LAKE 82-6 E 24th Ave. 50x55 100. George C. Sargent to Paul Agmar. Filed Dec. 1, 1919.

Dec. 4, 1919—N IRVING 32-6 W 23rd Ave. W 25xN 100. Thos. O'Doherty to Thos. O'Doherty. Dec. 4, 1919.

Dec. 4, 1919—SE TWENTY-SEVENTH and Balboa. E. H. Hildebrand to K. H. McKenzie. Dec. 6, 1919.

Dec. 4, 1919—E HYDE 57-6 Bush 50xW 95. Louis D. Stoff to J. P. Sullivan. Dec. 1, 1919.

Dec. 4, 1919—E TWENTY-FIFTH Ave. 27th St. California 15x 26x E 1919.

Maude McE. Clark to Jacob H. Thorup. Dec. 1, 1919.

Dec. 4, 1919—N BUSH 106-3 W Fillmore N 127-6xW 25 August E. Drucker to Wm. Martin. Dec. 1, 1919.

Dec. 9, 1919—E HYDE 56-6 N Greenview 56x12 50. Summit Corp to Pacific Rolling Mills Co. Dec. 4, 1919.

Dec. 10, 1919—W PLYMOUTH 23-64 S from NE cor. lot 4, S 8 88 deg 06 min. 21 sec. W 88.138 N 35.822. S 86 deg 34 min. 04 sec. E 95.252. S 38.454 lots, 3 and 4. Blk. 3177 Westwood Park. Nelson Bros. to whom it may concern. Dec. 3, 1919.

Dec. 10, 1919—N LOTS 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100. Blk. 64, Reis Tract. Jos. and Alfreda Rodlack to Jas. W. Rich. Dec. 1, 1919.

Dec. 10, 1919—S POST 30 W Hyde W 36xS 34. Arthur P. Rousseau to whom it may concern. Dec. 10, 1919.

Dec. 10, 1919—W Sixteenth Ave. 15x Kirkham N 18xW 120. Sterling Realty Co. to whom it may concern. Dec. 10, 1919.

Dec. 10, 1919—W FOURTEENTH AVE 250 N Fulton N 150xW 127-6. Sterling Realty Co. to whom it may concern. Dec. 10, 1919.

Dec. 10, 1919—S POST AND GOUGH S 137-6x E 82-6. American Motor Repair Co. to Barrett & Hillp and Frederick Snook. Dec. 2, 1919.

Dec. 11, 1919—LOT 2 BLK "C" Lakeview. Louis F. and Lillian Henno to Olaf Olsen. Dec. 11, 1919.

Dec. 11, 1919—S BODDY AND BUSH No 54 Mason and 97 and 99 Eddy. A W Wilson to Joel Johnson. Dec. 3, 1919.

Dec. 10, 1919—N LOTS 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100. Blk. 3177 Westwood Park. Herman C. Baumann to Robert G. Black. Dec. 11, 1919.

Dec. 12, 1919—N LOTS 9 AND 10 BLK 3162, Westwood Park. Wm P. and Elizabeth Day to Phillip Grell. Dec. 11, 1919.

LIENS FILED.

Dec. 3, 1919—N RAYMOND 75 E Rutland E 25xN 100. The Greater City Lumber Co. vs. K. C. Gardner and Thos McQuade. Dec. 3, 1919.

Dec. 3, 1919—NE RAYMOND 50 SE Rutland (Rutland). Cecil Ryan vs. K. C. Gardner and Thos McQuade. Dec. 3, 1919.

Dec. 3, 1919—W TWENTY-SECOND AVE 28 S "C" J. H. Kruskal and Fortney, Amy, his wife, and Eva J. Dorman. Dec. 3, 1919.

LEASES.

San Francisco County.

Dec. 6, 1919—NO. 1801 FULTON. Guadalupe Realty Co. to Nicholas Roubanis. 3 years. \$3600.

Dec. 6, 1919—NO. 2820-2822 TWENTY-Fourth St. F. and Mary Onelio to F. W. Taylor. 5 years; 40 per month.

Dec. 8, 1919—NO. 521 BUSH. J. Kelly to Zavel Cohen. 5 years; \$27.00.

Stanlyan Hermann Albert to Allec and Robert Mills. 5 years. \$50 per month.

Dec. 9, 1919—NO. 2521 MISSION. Maud A Day to Argiris Collas. 5 years; \$1000.

Dec. 9, 1919—S WBTSH AND SANSOME

Crocker Estate Co. to A Shirek & Sons. 2 years. \$6000.

Dec. 9, 1919—NO. 1615 BUCHANAN. Alexander Bond to Low Doc Way. 3 years. \$1620.

Dec. 10, 1919—NO. 447 POWELL W line bet. Post and Suter. Hulse E and Chas Flodberg to Nick L Sabovich and John Cendo. 5 years. \$12,450.

Dec. 11, 1919—NO. 1005 JONES ST. Apt. No. 4. Laura S. Califf to Fred S Downey. 1 year. \$50 per month.

Dec. 11, 1919—NE VAN NESS AND Olive Ave. N 60x E 109. E L Goldstein Co. to Kelly Springfield Tire Co. 10 years. \$88,800.

Dec. 11, 1919—SE MERCANT AND Battery 845-10x E 187-6. Prospect Invest Co. to California Ink Co. Inc. 10 years. \$65,450.

Dec. 11, 1919—NO. 3204 MISSION. Margate Michaels to Nick Gavrilis. 5 years. \$30 per month.

Dec. 11, 1919—N PINE 142-6 E Leavenworth. Chas H Kendrick to May A Bradley (a widow). 65 months. \$34.900.

Dec. 11, 1919—NO. 471 TURK. Tom Spitzer and Oscar Bank to Barney Frankel. 2 years. \$100 per month.

Dec. 12, 1919—NOS. 3740-42 GEARY ST. Julius Kaiser to Conrad B Sovig. 8 years. \$850.

Dec. 13, 1919—CERTAIN PORTIONS OF Blk 4, University Mount Tract. Leon Bonneau to G. Galazzi. 5 years. \$4500.

Dec. 13, 1919—NO. 247 S. E. California, being N California 140 W Jones. Sam Swartz at Jessie Renison. 3 years \$13,500.

BUILDING CONTRACTS

Alameda County

No.	Owner	Contractor	Amt.
4057	Potter	Vaughn	3000
4058	Lowie	Owner	2000
4059	Roddick	Cal Bldrs	26000
4060	Laveel	Shrader	850
4061	Annheim	Shrader	12500
4061	Long	Sheridan	3700
4062	Long	Sheridan	3500
4063	Lenz	Michard	1000
4064	Long	Owner	250
4065	Tranmal	Owner	4000
4066	Pedroni	Owner	4000
4067	McCabe	Corbett	490
4068	Barton	Olsen	400
4069	Hollquist	Dixon	500
4070	Remillard	Walworth	775
4071	Goede	Goodman	400
4072	Ede	Hopper	14355
4073	Mattern	Stockholm	1240
4074	Shuman	Engler	500
4075	Currier	Curtis	150
4076	Ellis	MacGregor	4900
4077	MacGregor	Owner	14700
4078	Jacobson	Owner	1500
4079	Winters	Owner	250
4080	Neary	Venn	400
4081	Frederickson	Owner	3000
4082	Morton	Morton	1500
4083	Marston	Brown	750
4084	Ford	Ford	1000
4085	Hollaender	Allidridge	1000
4086	J. Archb.	McClough	15425
4087	Laufer	Peterson	17000
4088	Allder	Allder	2000
4089	Altas	Christensen	1500
4090	MacGregor	MacGregor	400
4091	Wright	MacGregor	400
4092	Pageol	Owner	900
4093	Bond	Bond	3000
4094	York	York	2000
4095	Asman	Asman	400
4096	Jalo	Jalo	4000
4097	Kaiser	Kaiser	3200
4098	Carleton	Carleton	2800

DWELLING

(1057) CORONADO AVE 125 W Broadway, Oakland. One-story five-room dwelling.

Owner—C. C. Potter, Oakland.

Architect—None.

Contractor—M. C. Vaughn, 5833 Ayala, Oakland.

COST, \$3000.

ALTERATIONS

(4058) SE ELEVENTH AND WASHINGTON. Alter two-story store and office building into store.

Owner—Lowe & Co., 1028 Broadway, Oakland.

Architect—None.

Day's work.....COST, \$20000

APARTMENTS.

(4059) W EUCLID AVE 175 N Grand Ave., Oakland. Two-story 28-room apartments.

Owner—J. W. Riddick, 1534 Franklin.
 Architect—None.
 Contractor—California Builders Co.,
 1534 Franklin, Oakland.
 COST, \$26,000

REPAIRS
 (4050) NO. 727 SEVENTH, Oakland.
 Fire repairs.
 Owner—G. Laveel.
 Architect—None.
 Contractor—J. F. Shrader, 520 16th,
 Oakland.
 COST, \$850

DWELLING
 (4061) LOT 27, BLK. 7-784, Highland
 Subdivision Adams Point Property,
 Oakland. All work for two-story and
 basement frame dwelling.
 Owner—Florence K. Mannheim.
 Architect—E. W. Cannon, Central
 Bank Bldg., Oakland.
 Contractor—E. W. Leiter & Sons, Call
 Bldg., San Francisco.
 Filed Dec. 8, '19. Dated Dec. 5, '19.
 Enclosed 1/4
 Plastered 1/4
 Completed and accepted 1/4
 Usual 35 days 1/4
 TOTAL COST, \$12,800
 Bond, Sureties, Forfeit, none. Limit,
 120 days. Plans and specifications
 filed.

DWELLING
 (4061) S GROVE and Hopkins, Ber-
 keley. One-story 7-room dwelling.
 Architect—None.
 Owner—Roy O. Long, Elks Club, Ber-
 keley.
 Contractor—H. P. Sheridan, 2815 Grove
 St., Berkeley.
 COST, \$3700

DWELLING
 (4062) N HOPKINS 191 E Napa, Ber-
 keley. One-story 6-room dwelling.
 Architect—None.
 Owner—Roy O. Long, Elks Club, Ber-
 keley.
 Contractor—H. P. Sheridan, 2815 Grove
 St., Berkeley.
 COST, \$3500

ALTERATIONS
 (4063) NO. 1636 ALCATRAZ AVE.,
 Berkeley. Alteration and repairs.
 Owner—R. L. Lenz.
 Architect—None.
 Contractor—H. Michard, 2911 Magnolia,
 Oakland.
 COST, \$1000

DWELLING
 (4064) SW AYALA and ROSE, Oak-
 land. One-story 5-room dwelling.
 Owner—C. J. Pfang, 480 Forest St.,
 Oakland.
 Architect—None.
 Day's work.
 COST, \$2950

DWELLING
 (4065) W CRESCENT 200 S Santa
 Clara. One and one-half story dwlg.
 Owners—Enoch Trammell, 554 54th, Oak-
 land.
 Architect—None.
 Day's work.
 COST, \$4000

ALTERATION
 (4066) NO. 541 MYRTLE St., Oakland.
 Alter dwelling to apartments.
 Owner—J. P. Pedroni, Premises.
 Architect—None.
 Days work.
 COST, \$4000

ALTERATION
 (4067) NO. 116 LAKE ST., Oakland.
 Alteration.
 Owner—Margaret L. McCabe, Prem.
 Architect—None.
 Contractor—Corbett & Bayliss, 110
 Franklin, Oakland.
 COST, \$490

ALTERATION
 (4068) NO. 640 SEVENTEENTH ST.,
 Oakland. Alteration.
 Owner—C. C. Borton.
 Architect—None.
 Contractor—Alfred Olson, 565 16th St.,
 Oakland.
 COST, \$440

WAREHOUSE
 (4069) E SAN PABLO AVE. 140 S 22nd
 St., Oakland. Warehouse.
 Owner—John Hollquist, 5768 Vicente,
 Oakland.
 Architect—None.
 Contractor—J. B. Dixon.
 COST, \$900

REPAIRS
 (4070) NW SECOND and CLAY, Oak-
 land. Roof repairs.
 Owner—Remillard Brick Co.
 Architect—None.
 Contractor—A. J. Walwarth, 527
 Washington, Oakland.
 COST, \$775

REPAIRS
 (4071) NO. 4869 TELEGRAPH AVE.,
 Oakland. Roof repairs.
 Owner—Bates & Borland, Oakland
 Savings Bldg., Oakland.
 Architect—None.
 Contractor—A. K. Goodmundson, 565
 16th St., Oakland.
 COST, \$400

DWELLING AND GARAGE
 (4072) PTNS LOTS 5 AND 6, Map
 Piedmont Springs Tract, Piedmont.
 Two-story frame dwelling and ga-
 rage.
 Owner—Katherine A. Ede.
 Architect—None.
 Contractor—Myron E. and Marshall E.
 Hopper (M. E. Hopper & Son), 1729
 Piedmont Valley Ave., Oakland.
 Filed Dec. 8, '19. Dated Dec. 8, '19.
 1st story floor joists in place.....\$1535
 Frame up 3500
 Brown coated 3500
 Completed and accepted 3500
 Usual 35 days 2500
 TOTAL COST, \$14,535
 Bond, Sureties, Forfeit, none. Limit,
 60 days. Plans and specifications filed.

EXCAVATION, ETC.
 (4073) LOTS 6 AND 7, OAK RIDGE,
 Berkeley. Excavation, foundations,
 etc., for residence.
 Owner—A. Mattern, 2701 Regent St.,
 Berkeley.
 Architect—Louis A. Upton and Milton
 Latham, 452 Montgomery, S. F.
 Contractor—Chas. Stockholm & Son,
 Menadnock Bldg., S. F.
 Filed Dec. 9, '19. Dated Dec. 8, '19.
 Completed and accepted \$930
 Usual 35 days 310
 TOTAL COST, \$1240
 Bond, Sureties, Forfeit, none. Limit,
 5 days. Plans and specifications filed.

ADDITION
 (4074) NO. 2801 BENVENUE, Berkeley
 Addition.
 Owner—Mrs. J. L. Shuman, Premises.
 Architect—None.
 Contractor—Louis Engler, 2435 Col-
 lege Ave., Berkeley.
 COST, \$500

DWELLING
 (4075) NO. 852 CONTRA COSTA AVE.,
 Berkeley. Two-story 9-room dwlg.
 Owner—Henry and Clara Gede, 2309
 Russell, Berkeley.
 Architect—None.
 Day's work.
 COST, \$4900

DWELLING
 (4076) LOT 3, Central Piedmont Tct.,
 Piedmont. Two-story frame dwlg.
 Owner—Walter Ellis.
 Architect—None.
 Contractor—C. M. MacGregor, 470 13th,
 Oakland.
 COST, \$4900

DWELLINGS
 (4077) PIEDMONT COURT, Piedmont.
 Three two-story frame dwellings.
 Owner—C. M. MacGregor, 470 13th,
 Oakland.
 Architect—None.
 Day's work.
 COST, \$4900 each

DWELLING
 (4078) W FOURTEENTH AVE 35 N
 E 25th, Oakland. One-story 4-room
 dwelling.
 Owner—Carl A. Jacobsen, 1919 88th
 Ave., Oakland.
 Architect—None.
 Day's work.
 COST, \$1900

DWELLING
 (4079) W OVER 100 S Porter, Oakland
 One-story 2-room dwelling.
 Owner—W. Curti, 3539 Redding, Okd.
 Architect—None.
 Day's work.
 COST, \$450

ADDITION
 (4080) NO. 485 SEVENTEENTH ST.,
 Oakland. Addition.
 Owner—Wm. F. Neary, 1701 Telegraph
 Ave., Oakland.
 Contractor—E. C. Venn, 517 23rd, Okd.
 COST, \$400

DWELLING
 (4081) E BAY VIEW PLACE head of

Ridge Terrace, Berkeley. Two-story
 six-room dwelling.
 Owner—Peter Fredrickson, 83 Shasta
 St., Berkeley.
 Architect—None.
 Day's work.
 COST, \$3000

ALTERATIONS
 (4082) NO. 103 PLAZA DRIVE, Ber-
 keley. Alterations.
 Owner—Mr. Scott.
 Architect—None.
 Contractor—Mathew Morton, 2911 Ben-
 venue Ave., Berkeley.
 COST, \$1500

GARAGE
 (4083) SW SCENIC and VINE, Ber-
 keley. Garage.
 Owner—Capt. Marston, 1500 Arch St.,
 Berkeley.
 Architect—None.
 Contractor—E. A. Brown, 1694 Shat-
 tuck Ave., Berkeley.
 COST, \$750

ALTERATIONS
 (4084) NO. 1237 BROADWAY, Ala-
 meda. Alterations.
 Owner—Mrs. Ida B. Ford, Premises.
 Architect—None.
 Contractor—J. L. Ford, Premises.
 COST, \$1000

ALTERATIONS
 (4085) NO. 1319 HIGH, Alameda.
 Alterations.
 Owner—Mrs. H. Hollaender, 473 29th,
 Oakland.
 Architect—None.
 Contractor—R. F. Aldridge, 1510 Hop-
 kins, Oakland.
 COST, \$1000

PARISH HOUSE
 (4086) S BAYVIEW and HOWE,
 Oakland. All work except electric
 fixtures, shades and heating system
 for two-story frame parish house.
 Owner—The Roman Catholic Arch-
 bishop of San Francisco, 1100
 Franklin, San Francisco.
 Architect—James W. Plachek, 2014
 Shock Way, Berkeley.
 Contractor—Henry McCullough, 1641
 Alston Way, Berkeley.

Filed Dec. 10, '19. Dated Dec. 1, '19.
 1st and 15th of each month... 75%
 Usual 35 days..... 15,255
 TOTAL COST, \$15,255
 Bond, \$7712.50. Sureties, B. E. Under-
 wood and F. E. Armstrong. Limit, 80
 days. Forfeit, none. Plans and specifi-
 cations filed.

DWELLING
 (4087) S LONGBRIDGE ROAD 100 E
 Rosemont Ave., Oakland. Two-story
 9-room dwelling.
 Owner—J. Lauffer, 3044 Grove, Oakland
 Architect—Chas. W. McCall, Central
 Bank Bldg., Oakland.
 Contractor—Alfred Peterson, 3918 Lin-
 wood Ave., Oakland.
 COST, \$17,000

DWELLING
 (4088) W SIXTY-THIRD AVE 200 N
 Fortune Ave., Oakland. One-story
 five-room dwelling.
 Owner—A. Alder, 2487 62nd Ave., Oak-
 land.
 Architect—None.
 Day's work.
 COST, \$2000

ADDITION
 (4089) FOOT EIGHTEENTH AVE.,
 Oakland. Addition.
 Owner—Atlas Imperial Engine Co.,
 Premises.
 Architect—None.
 Contractor—C. Christensen & Son, 565
 16th, Oakland.
 COST, \$1500

GARAGE
 (4090) NO. 1054 BAY VIEW AVE.,
 Oakland. Garage.
 Owner—Mr. Doty, Premises.
 Architect—None.
 Contractor—C. M. MacGregor, 470 13th,
 Oakland.
 COST, \$400

GARAGE
 (4091) NO. 1066 BAY VIEW AVE.,
 Oakland. Garage.
 Owner—Mr. Wright.
 Architect—None.
 Contractor—C. M. MacGregor, 470 13th,
 Oakland.
 COST, \$400

SHED, ETC.
 (4092) 107TH AVE and HOLLYWOOD
 Blvd., Oakland. Shed & transformer
 house.

Owner—Fagool Motors Co., Premises.
Architect—None.
Day's work. COST, \$900

DWELLING
(4093) E FOURTEENTH AVE 650 N
E-34th, Oakland. One-story 5-room
dwelling.
Owner—Lulu Bond.
Architect—None.
Day's work. COST, \$3500

DWELLING
(4094) E SEVENTY-FIFTH AVE 237
S E-14th, Oakland. One-story 5-room
dwelling.
Owner—Gracie B. York, 1234 75th Ave.,
Oakland.
Architect—None.
Day's work. COST, \$2000

GARAGE
(4095) NO. 2832 TEXDAHL, Berkeley.
Garage.
Owner—O. E. Asman, Premises.
Architect—None.
Day's work. COST, \$400

DWELLINGS
(4096) W TENTH 195 and 223 S Gray-
son, Berkeley. Two one-story five-
room dwellings.
Owner—Victor Talo, 2812 10th, Bkly.
Architect—None.
Day's work. COST, \$2000 each

BUNGALOW
(4097) E FORTY-SEVENTH AVE 200
N Foothill Blvd., Oakland. Five-room
frame bungalow.
Owner—Geo. W. Kaiser, 3459 Hollis St.,
Oakland.
Architect—None.
Day's work. COST, \$3200

BUNGALOW
(4098) N BOND 250 W Cole, Oakland.
Five-room frame bungalow.
Owner—A. Carleton, 2023 69th Ave.,
Oakland.
Architect—None.
Contractor—S. Carleton, 2023 69th Ave.,
Oakland.
COST, \$2800

COMPLETION NOTICES

Alameda County

Dec. 6, 1919—LOT 4 BLK "A" Map
Lakewood Park, Okd. Annie L.
Dickey to Harry Schwalm.....
Dec. 6, 1919—ALONG SOUTH DOCK,
Western Pacific Mole, Okd. Western
Pacific Railroad to Hyde,
Hargies & Co.....Nov. 28, 1919
Dec. 6, 1919—W SOUTH DOCK,
Western Pacific Mole, Okd. Western
Pacific Railroad to Hyde,
Hargies & Co.....Nov. 27, 1919
Dec. 6, 1919—E BELLEVUE AVE
332 25 N Van Buren, Okd. Annie
Wachs to F. A. Muller, Dec. 4, 1919
Dec. 9, 1919—LOTS 2-9, W 20 Lots 2, 4,
7 and 8 and E 18½ Lots 1, 5, 6 and
10 Blk K 31, Map Town of Pleasant-
on. I D E S Cohselho Pelketo
Lodge, No. 15 of Pleasanton to
Charles Bruce.....Dec. 6, 1919
Dec. 9, 1919—LOT 13, BLK 11, Map
Thousand Oaks, Oakland Tp. E R
Lamb to whom it may concern.....
Nov. 28, 1919
Dec. 9, 1919—LOT 5 AND SE.....Lot 4
Blk 13, Map Lakeshore Highland,
Oakland. Austin Clarke to C. M.
MacGregor.....Dec. 1, 1919
Dec. 10, 1919—E FILBERT bet. 9th
and 7th 100x125, Okd. Frank Marino
to John Perona.....Dec. 8, 1919
Dec. 11, 1919—40 FEET W OF SW
Cor. Chabot Road and Hearn St.
100xW 40, Okd. R H Schutz to
Jesperson & Dippo.....Dec. 2, 1919
LIENS FILED.

Alameda County

Dec. 1, 1919—LOTS 17 AND 18 BLK 5
Map Kinsell Tract No. 2, Okd.
Sunset Lumber Co vs A E Harter
and C J Nielsen.....\$43.30

BUILDING CONTRACTS.

Santa Clara County.

FRAME BUNGALOW
BLM AND EMORY STS., near College
of Pacific, San Jose. All work for

one-story frame bungalow.
Owner—Grace M. Carter, 83 S-Ninth St.,
San Jose.
Designer—F. B. Wise, 757 Hedding St.,
San Jose.
Contractor—F. B. Wise, 757 Hedding
St., San Jose.
Filed Dec. 8, '19. Dated Dec. 8, '19.
Frame up\$525
Plaster dry525
Building completed525
Usual 35 days.....525
TOTAL COST, \$2100
Bond, limit, forfeit, none. Plans and
specifications filed.

COTTAGES
ATLANTA
FOUR COTTAGES
Owner—Cole Realty Co., San Francisco
Architect—Henry Shermund, Hearst
Bldg., San Francisco.
Day's work. COST, \$3000 each

COTTAGE
900 JACK BIRD AVE., San Jose. Five
room cottage.
Owner—F. Bruch, 1019 Bird Ave., San
Jose.
Architect—None.
Contractor—A. F. Haskins, 572 S-Ninth
St., San Jose. COST, \$3600

GARAGE
SARATOGA, Cal. All work for garage,
garage walls, etc., in connection with
residence.
Owner—Charles D. Blaney, Saratoga.
Architect—Willis Polk & Co., Hobart
Bldg., San Francisco.
Contractor—W. C. Duncan, Sharon Bldg
San Francisco.
Filed Dec. 6, '19. Dated Nov. 21, '19.
On 15th of each month.....75%
Usual 35 days.....25%
TOTAL COST, \$14,213
Bond, \$7000. Sureties, H. L. Kaufman
and Frederick W. Snook. Limit, 30
working days. Forfeit, not less than
\$10 per day. Plans and specifications
filed.

COMPLETION NOTICES.

Santa Clara County.

Recorded Accepted
Dec. 5, 1919—THE ALAMEDA AVE.,
San Jose. I A Jordan to J E Per-
kins.....Dec. 2, 1919
LIENS FILED.

Santa Clara County.

Recorded Amount
Dec. 9, 1919—PALO ALTO. Gray
Thorning Lumber Co vs Dan and
Helen Wagner\$64.80

RELEASE OF LIENS.

Santa Clara County.

Recorded Amount
Dec. 3, 1919—SECOND AND KEYES
Sts., San Jose. Ransome-Crummey
Co to Mrs Emma J Wiswell.....\$309.23

BUILDING CONTRACTS.

San Joaquin County.

ADDITION
FOURTH AND CALIFORNIA STS.,
Stockton. Addition.
Owner—Tom Rauch, 1749 S-California
St., Stockton.
Architect—None.
Day's work. COST, \$1500

EXHIBITION BLDG.
SOUTH AND AURORA STS., Stockton.
Exhibition building.
Owner—Samson Tractor Co., 1104 S.
Aurora St., Stockton.
Architect—None.
Day's work. COST, \$25,000

BUILDING
NW FREMONT AND HUNTER STS.,
Stockton. Four-story building.
Owner—Wagner Leather Co., Cptn.
Hunter and Oak Sts., Stockton.
Architect—None.
Contractor—Frank Tucker, 321 N-
Sierra Nevada St., Stockton.
Filed Dec. 3, '19. Dated Nov. 24, '19.
Limit, 90 days. COST, \$42,133

FRAME DWELLING
NORTH STOCKTON. Frame dwelling.

Owner—Ramsey-Emerson Co., Record
Bldg., Stockton.
Architect—None.
Day's work. COST, \$1800

BUILDING CONTRACTS.

Sacramento County.

FRAME DWELLING
NO. 164 SANTA YNEZ WAY, Sacra-
mento. One-story 5-room frame
dwelling.
Owner—L. L. Johnson, 1325 32nd St.,
Sacramento.
Architect—None.
Day's work. COST, \$2500

SHEDS
FRONT AND "W" STS., Brannans Ad-
dition, Sacramento. Lumber sheds.
Owner—Knox Estate, 1228 2nd St.,
Sacramento.
Architect—None.
Contractor—A. Norris, 3012 "G" St.,
Sacramento. COST, \$1500

ALTERATIONS
NO. 1122 "P" ST., Sacramento. Re-
model basement of residence.
Owner—Edw. Diviny, Sacramento.
Architect—None.
Contractor—W. B. La Due, 2319 "O"
St., Sacramento. COST, \$1350

BUILDING
E 50 FEET LOT 2, O. P. 4th and 5th Sts.
Sacramento. Building.
Owner—E. Kudo, Inogishi Tsuda and
G. Miki, 413 "O" St., Sacramento.
Architect—None.
Contractor—W. R. Campbell, 3521 "J"
St., Sacramento.
Filed Dec. 9, '19. Dated Dec. 8, '19.
COST, \$1439

ALTERATIONS
NO. 1224 "O" ST., Sacramento. Re-
model residence.
Owner—M. Wolf, 2101 "N" St., Sacra-
mento.
Architect—None.
Day's work. COST, \$4000

FRAME RESIDENCE
NO. 2208 FOURTEENTH ST., Sacra-
mento. One-story 5-room frame
residence.
Owner—Wright & Kimbrough, 817 "J"
St., Sacramento.
Architect—None.
Contractor—Wiederhold & Kimbrough,
Sacramento. COST, \$3156

TOILET
NO. 418 "O" ST., Sacramento. Two-
room toilet.
Owner—Buddhist Church, Premises.
Architect—None.
Day's work. COST, \$1400

DWELLINGS
NOS. 511 and 515 TWENTY-THIRD ST.,
Sacramento. Two one-story 5-room
frame dwellings.
Owner—M. R. Carpenter, 825 10th St.,
Sacramento.
Architect—None.
Day's work. COST, \$3000 each

ALTERATIONS
NO. 2507 "M" ST., Sacramento. Re-
model residence.
Owner—A. Leoni, Premises.
Architect—None.
Contractor—A. Leoni, 2507 "M" St.,
Sacramento. COST, \$1800

LIENS FILED.

Sacramento County.

Recorded Amount
Dec. 9, 1919—W ½ OF E ½ LOT 3, K.
L. 6th and 7th Sts., Sacramento.
(Alteration of building). Knox
Lumber Co vs\$496.42

BUILDING CONTRACTS

Fresno County.

FRAME DWELLING
NEAR DEL REY, Fresno. All work
for frame dwelling.
Owner—H. Chooljian, 245 I St., Fresno
Architect—None.
Contractor—Jas. Romano, Fresno.
Filed Dec. 9, '19. Dated Dec. 1, '19.
1st Saturday of each month.....75%
Usual 35 days.....25%
TOTAL COST, \$4500

Bond, none. Limit, 70 days. Forfeit, none. Plans and specifications filed.

ADDITION
NO. 1038 YALE AVE., Fresno. Add to garage.
Owner—E. Hulme, 224 N-Van Ness Ave Fresno.
Architect—None.
Day's work. COST, \$1500

ALTERATIONS
LOTS 26 AND 27 BLK 95, Fresno.
Alter theatre.
Owner—Liberty Theatre, Van Ness Ave., Fresno.
Architect—None.
Day's work. COST, \$1500

STORE BUILDING
LOTS 22 AND 23 North Van Ness Tct., Fresno. Store building.
Owner—E. J. McAbby, 2701 Tulare St., Fresno.
Architect—None.
Contractor—Yarnell & Garges, 1026 S. 4th St., Fresno.
COST, \$3800

DWELLING AND GARAGE
LOTS 25 TO 28 BLK 1, Hillis Addition, Fresno. Frame dwelling and garage.
Owner—Neal & Kelly, 620 Haisina St., Fresno.
Architect—None.
Day's work. COST, \$3000

FRAME DWELLING
LOT 24 BLK 6, Orchard Hill Addition, Fresno. Frame dwelling.
Owner—Geo. Van Buskirk, Fresno.
Architect—None.
Day's work. COST, \$2500

DWELLINGS, ETC.
LOTS 10 AND 11 BLK 58; Lots 20, 21 and 22 BLK 53 and Lots 11, 12 and 12 BLK 57, East Fresno. Three frame dwellings and garages.
Owner—Fresno Bldg. Cptn., Fresno.
Architect—None.
Day's work. COST, \$3750 each

FRAME DWELLING
LOTS 22 AND 23 BLK 1, Matthew Addition, Fresno. Frame dwelling.
Owner—C. W. Church, Fresno.
Architect—None.
Contractor—J. R. Church, 221 N-U St., Fresno.
COST, \$2500

FRAME DWELLING
LOTS 29 AND 30 BLK 6, Odd Fellows Addition, Fresno. Frame dwelling.
Owner—W. G. Holland, 430 Calaveras Ave., Fresno.
Architect—None.
Contractor—G. C. Cannon, 2039 Fresno St., Fresno.
COST, \$3000

DWELLING
LOTS 10 AND 11 BLK 4, Stratford Place, Fresno. Frame dwelling and garage.
Owner—V. Cox, 2535 College St., Fresno.
Architect—None.
Contractor—Shorb & Needs, 127 Fresno Ave., Fresno.
COST, \$7500

STORE FIXTURES
NO. 1159 "J" St., Fresno. Store fixtures.
Owner—General Cigar Co., Inc. (M. A. Gunst Branch).
Architect—None.
Contractor—L. & E. Emanuel, 1530 Filbert St., San Francisco.
Filed Dec. 10, '19. Dated Dec. 6, '19.
Delivered\$4050
Completed 2025
Usual 35 days. 2025
TOTAL COST, \$8100

Bond, \$4050. Sureties, M. S. Greenberg and C. F. Mertens. Limit, 60 days. Forfeit, \$20. Plans and specifications filed.

FRAME DWELLING
LOT 27 BLK 23, Belmont Addition, Fresno. Frame dwelling.
Owner—John H. Meyer, 2230 White St., Fresno.
Architect—None.
Day's work. COST, \$1500

ADDITION
"O" AND BUTLER ST., Fresno. Addition.
Owner—California Products Co., Prem. Fresno.
Architect—None.
Day's work. COST, \$1000

DWELLINGS
LOT 7 BLK 23 and Lots 4 and 5 Blk 9, Hazelwood. Four frame dwellings and garages.
Owner—Thos. Montgomery, Fresno.
Architect—None.
Day's work. COST, 2 \$2800 each and 2 \$3600 each.

DWELLING
LOTS 7 AND 8 BLK 53, East Fresno. Frame dwelling and garage.
Owner—L. Jones, 4121 Illinois St., Fresno.
Architect—None.
Contractor—M. H. Hart, Fresno.
COST, \$4700

DWELLING
LOTS 39 AND 40 BLK 12, College Addition, Fresno. Frame dwelling.
Owner—Towrie, Fresno.
Architect—None.
Contractor—A. Nicholson, 2710 Merced St., Fresno.
COST, \$5000

DWELLING
LOTS 7 AND 8 BLK 253, Fresno. Frame dwelling.
Owner—J. Calandra, 927 "A" St., Fresno.
Architect—None.
Contractor—J. Lo Forti, Fresno.
COST, \$2000

DWELLING
LOTS 5 AND 6 BLK 1, Orchard Hill Addition, Fresno. Frame dwelling and garage.
Owner—D. Cherry, 1841 Tulare St., Fresno.
Architect—None.
Contractor—H. T. Humphreys, 1040 Roosevelt St., Fresno.
COST, \$3500

COMPLETION NOTICES.

Fresno County.

Recorded Accepted
Dec. 9, 1919—SE COR. CERTAIN 40 Acres ¼ mile from Melvin. G A Spiropoulos to whom it may concern.....June 28, 1919

Recorded Accepted
Dec. 4, 1919—LOT 49 Producers Col. Fresno. L R Hamilton to whom it may concern.....Nov. 28, 1919
Dec. 5, 1919—LOTS 3 AND 4 BLK 20, North Park Terrace, Fresno. R N Peterson and Chas E Chess to whom it may concern....Dec. 4, 1919

U. S. AIDS ROAD WORK BEING DONE IN ARIZONA.

TUCSON, Arizona.—Because of a \$2,000,000 present to Arizona by the United States Government, road making in

this state has been much simplified and the expense reduced to a minimum.

Huge, tractors, trucks, cranes, steam shovels, pumps, rock crushers, elevator graders and tone of high explosive form the gift of the Government to Arizona to help with the \$20,000,000 program of state highway construction which the state is to carry through in less than 18 months. It is all War Department material being distributed to all states for road building.

FRENCH RECONSTRUCTION TASK.

The following facts regarding the magnitude of the reconstruction task confronting the French Minister of the Liberated Regions were given out by M. Labbe, Director General of the Technical Services.

Building work alone would require 22,000,000 tons of material and the labor of 700,000 people for one year; 100,000 houses are to be entirely rebuilt, requiring 5,000,000,000 bricks, 3,000,000 cubic meters of sand, 1,000,000 tons of lime, 13,000,000 square meters of tiles and 3,000,000 cubic meters of wood. Reconstruction of highways and railroads would require 3,000,000 tons of materials and the labor of 15,000 men for one year. An addition of 20,000 trains and 5,000 trucks would be required.

BUSINESS OPPORTUNITY.

SAN FRANCISCO.—The California Development Board, Ferry Bldg., is soliciting information concerning municipal markets in California, methods of financing and administering, cost of construction, etc.

The Board is also seeking information for a Danish Lutheran minister who is looking for a tract of land suitable for building up a settlement, mainly composed of church people from the Middle States.

\$40,000,000 TRAMWAY DEVELOPMENT PLANNED.

LONDON, Eng.—A new plan for tramway development in the London district, involving an outlay of \$40,000,000, is under consideration. The proposal contemplates the construction of 90 miles of new tramways, along crowded traffic routes, to link up with lines and systems outside the county.

STRIKES COST SHIP BOARD \$37,000,000.

WASHINGTON. — Chairman Payne has announced that strikes had cost the shipping board \$37,000,000 since January 1. The estimates included marine and harbor strikes, longshoremen's and shipyard strikes on the Atlantic, Pacific and Gulf coasts and did not include the coal strike.

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Building & Engineering News

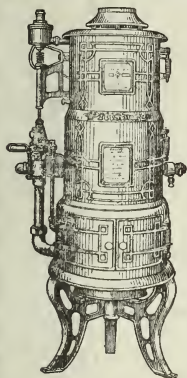
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Publication Office
560 Mission Street

San Francisco, Cal., December 24, 1919

Published Every Wednesday
Nineteenth Year, No 52



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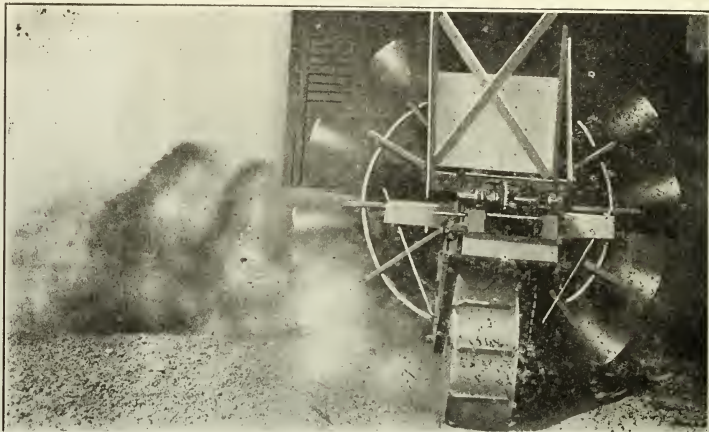
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a berm as is desired.
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Machine can be
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Contractor in many
different instances,
as its ability to kick
a lot of dirt out of
the way in a short
time will make it in-
valuable where cuts
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whether this be up
or down; it should
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Machine uses Gas
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Cost of Lubricating
Oils is about half of
the fuel cost. Two
men can operate the
Machine, one must
be a gas engine man
and the other a
laborer, and Machine
can be operated as
well at night as in
daylight.

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Entered as second-class matter at San Francisco Post Office under act of Congress of March 3, 1879.

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L. A. LARSEN,
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Telephone—Douglas 2372.

J. P. FARRELL.....Exchange Editor

American Association of Engineers

NEWS FROM NATIONAL HEAD-QUARTERS.

General Wood Joins A. A. E.

The latest member obtained by the American Association of Engineers in its campaign for 10,000 new members during the first two weeks in December is Major General Leonard Wood, commanding general of the Central Department of the United States Army.

General Wood's application was passed by the National Qualifications Committee of the Association on account of the engineering experience obtained by General Wood while he was military governor of Mindanao and because of the high order of sanitary engineering talent displayed by him while acting in that capacity. General Wood was in charge of the construction of highways, harbor improvements, railroads, schools, water purification works, and sewerage systems.

Inasmuch as the American Association of Engineers has declared itself in favor of universal military training and during the war had 20% of its membership in military and naval service, and since it is promoting the interests of sanitary and other engineers in the service of the Federal Government by means of a federal department of the Association, General Wood finds his sympathies entirely in accord with its policies.

General Wood is the ten-thousandth member of the American Association of Engineers. A year ago the membership was only 2,300, and this increase to 10,000 is irrespective of the members gained during the drive which is being held throughout the United States from December 1st to 13th. The results from the membership drive are not tabulated, but the national headquarters of the Association at Chicago are receiving many times the usual number of applications. The Association is not a technical organization, but one which promotes the social and economic welfare of professional engineers. It was organized in 1915 in Chicago, and in less than five years has become the greatest society of American engineers in spite of the forty-year start of the older organizations. It has 100 local chapters and clubs throughout the United States.

Board Bill No. 56, providing for increased compensation for professional engineers employed by the city of St.

Louis has been passed by the Board of Aldermen of that city. This bill was prepared by the municipal section of the St. Louis Chapter of the American Association of Engineers last spring, and its passage is the culmination of a campaign which has been waged since it was enacted into law.

The bill had previously been endorsed by a number of engineers and employes as containing provision for reasonable increase in salaries, and had been endorsed openly by the mayor and by the city council and had been approved by the efficiency board. The board of estimate and apportionment was the stumbling block which prevented the progress of the bill up to the board of aldermen for passage, and the fact that it has now approved the bill means that the increased salaries will go into effect January 1st.

The success of the municipal section of the St. Louis Chapter of A. A. E. in obtaining these results is largely due to the efforts of Ernest Paffrath and George Grimm, Jr., respectively president and secretary of the section.

Following a recent hearing granted to the engineer employes of the city of Cleveland before the board of control of that city, the latter body authorized an increase of 10% in salaries of professional engineers employed by the city.

UNITED STATES CIVIL SERVICE EXAMINATIONS.

Testor of Tractors.
December 30, 1919.

Associate Physicist Qualified in Aeronautics.
January 6, 1920.

Mechanical Engineer in Experimental Work.
January 6, 1920.

Draftsman, Architectural and Structural Steel.
January 6, 1920.

Fire Prevention Engineer.
January 13, 1920.

Applicants should apply at once for Form 1312, stating the title of the examination desired to the Civil Service Commission, Washington, D. C., or Post Office, San Francisco.

County Road Improvements in California.

Building & Engineering News,
San Francisco, California.

Gentlemen:

Answering your favor of the 19th instant, I am pleased to give you the information requested. In this connection I am enclosing a copy of the final report of the Highway Commission of this county, which I believe is in sufficient detail to give you an idea of the roads built under this bond issue.

Yours very truly,

A. C. FULMOR,
County Surveyor.

Riverside County Highway Commission.—Final Report.

Period ending September 1, 1918
To the Board of Supervisors, Riverside County, California.

Riverside, California.
September 10, 1918.

Final Report of the Highway Commission of the Highway Improvement Fund.

On December 17, 1913, \$125,000.00 five-per cent bonds, maturing in 11 to 40 years were voted for the construction of roads. The money was available for the construction May 1, 1914, but prior to this date the county had made preliminary surveys so the construction work was well organized by May 1, 1914.

Concrete pavement 16 feet wide, 4 inches thick, surfaced with oil and screenings was adopted as the standard type of construction.

The Commission contracted with the Riverside Portland Cement Company for 125,000 barrels of cement with an option to purchase an additional 75,000 bbls., or any part thereof, all to be delivered as the work required. The price was \$1.74 per bbl. with a credit for returned containers of 40 cents per barrel, making a net price of \$1.34 per barrel. Under this contract 141,933.5 barrels were purchased.

A contract was made with the Pacific Rock and Gravel Company to furnish 125,000 tons of screened gravel and 60,000 tons of sand, with an option of an additional 50,000 tons of gravel and 25,000 tons of sand, or any part thereof. The price was 30 cents per ton for gravel and 5 cents per ton for sand f. o. b. cars at their plant near Azusa on the Santa Fe Railroad. Under this con-

tract 128,772 tons of gravel and 76,755 tons of sand were used, but the local material was used on some contracts where the conditions justified.

A contract was made with the National Roadmate Paving & Supply Company for 7,000 barrels of Class A road oil (90% asphaltum) at 85 cents per barrel, and 12,000 barrels of class B oil (80% asphaltum) at 65 cents per barrel, with an option for an additional 3,500 barrels of Class A and 6,000 barrels of Class B, deliveries to be made as needed f. o. b. cars at Roadmate. A total of 15,082.75 barrels were used under this contract.

The total construction was as follows:

	Miles
Concrete	94.05
Macadam	22.31
Graded, including graveling and oil and gravel surfacing	142.18
Total	258.54

For a statement of the contracts made on the separate routes your attention is called to previous reports on file with you.

In April, 1917 the general engineering organization was abandoned and the construction was placed in charge of A. C. Fulmor, County Surveyor, as Engineer.

The surveying instruments, automobiles and all miscellaneous supplies have been turned over to the county and are now being used in various departments.

Respectfully submitted,

W. B. CLANCY,
S. C. EVANS,
A. P. CAMPBELL,
Highway Commissioners.

NO HEAT; JANITOR IS FIRED.

CHICAGO.—Flat dwellers, rejoice! Alexander Zurachow, flat owner, was fined \$200 for not providing sufficient heat for tenants.

HIGHWAY IMPROVEMENT FUND.

	Cr.	Dr.
Sale of Bonds	\$1,125,000.00	
Premium	37,237.00	
Interest to Sept. 1, 1918	40,263.58	
Colton Ave. Paving for County	3,284.96	
Santa Fe Paving at Winchester	30.00	
Laying Pipe for Trujillo Water Co.	74.93	
Santa Fe Repairing Road at Ferris	37.71	
Transfers from Germal County Fund ..	49,265.81	
Railroad share of Beaumont Overhead Crossing....	5,025.00	
Refund Ford Roadster	50.00	
Sundry Material Sold	13,135.82	
Cancelled Warrants, etc.	762.42	
Sundry Refund Freight, Demurrage, Donations, etc.	21,822.48	
Auditor's Transfer for Expenses prior to May 1, -914		\$ 8,145.95
Paid for rights of Way prior to May 1, 1914		2,329.00
Warrants issued from May 1, 1919, to Sept. 1, 1918..		1,285,515.24
	\$1,295,990.19	\$1,295,990.19

EXPENDITURES.

General.		
Salaries	\$ 21,413.06	
Office Supplies	2,455.84	
Telephones and Telegrams	1,396.85	
Printing	810.92	
Furniture and Fixtures	277.57	
Rent	2,276.94	
Blue Printing	147.93	
Surveying Instruments	1,825.57	
Surveying Supplies	1,662.47	
Testing Materials	458.15	
Auto No. 1 Cadillac—Cost.	\$2,125.00	
Running Expense	1,658.25	\$ 3,783.25
Auto No. 2 Ford Touring—Cost.	625.80	
Running Expense	523.85	1,158.65
Auto No. 3 Ford Roadster—Cost.	502.00	
Running Expense	1,513.75	2,015.75
Oiling Machinery and Supplies		836.51
Rights of Way		1,452.20
Expense Commission		773.21
Miscellaneous		4,130.97
		\$ 46,865.89
Total Expenditures on Roads	\$1,222,966.35	
Sundry refunds deducted from above amount paid on Roads for rock, cement, etc, furnished, and freight and demurrage refunds	26,157.95	1,249,124.30
		\$1,295,990.19

EXPENDITURES ON ROADS (Not Including General Office Exp.)

Route	Description	Length	Office, Survey and Inspection	Construction Survey, Oiling and Contracts	Total.
1	Corona to Orange Co. Line.....	Concrete..... 5.37 miles	\$ 2,780.18	\$ 60,400.10	\$ 63,180.28
2	Arlington to Corona	" 5.70 "	548.03	38,502.90	39,050.93
3	Corona to San Bernardino Co. Line	" 3.78 "	1,252.02	39,069.93	40,321.95
4	Box Springs to Perris	" 9.46 "	1,219.78	66,948.20	68,167.98
5 a and b	Perris to Hemet	" 12.87 "	6,890.35	86,351.66	93,248.01
6	Hemet to San Jacinto	" 1.25 "	370.18	10,814.58	11,184.76
7	Alessandro to Moreno	" 10.50 "	1,892.99	84,034.34	85,927.33
8	Moreno to Beaumont	" 2.86 "			
	Grade and Survey	" 6.55 "	3,804.44	113,703.51	117,507.95
9	Beaumont to Banning	Concrete..... 3.00 "	875.86	27,856.15	28,732.01
11	Perris to Elsinore	" 9.41 "	2,456.87	82,794.14	85,251.01
12 a, b & c.	Elsinore to San Diego Co. Line.....	" 20.20 "	6,854.69	184,728.28	191,582.97
13	Iowa Avenue	" 2.97 "	611.87	24,259.00	24,870.87
14	Rialto Road	"60 "	111.14	3,129.81	3,240.95
15	Corona to Elsinore Grade 3.10.....	" 3.50 "	2,670.75	11,991.12	14,661.87
16	Winchester to Perris	" 2.58 "	546.54	15,914.63	16,461.17
17	Banning to Whitewater.....	Oil Mac..... 13.73 "	1,817.96	37,557.88	39,375.84
18	Whitewater to Indio Point Grade & Oil Mac.....	" 31.59 "	4,315.44	126,909.72	131,225.16
19	Mecca to Imperial Co. Line.....	Grade & Surf..... 13.09 "	703.36		
20	Mecca to Shavers Wells	" 14.17 "	617.88	17,677.04	18,294.92
21	Indio to Mecca	" 13.43 "	3,446.08	111,555.92	115,002.00
22	Shavers Wells to Blythe	" 68.83 "	1,411.23	29,259.38	30,670.61
12	Bridge—Hot Springs Creek between Murrietta and Temecula			4,510.42	4,510.42
			\$44,997.64	\$1,177,968.71	\$1,222,966.35

ADVANCE NEWS

Official Proposals, Etc.

BUILDING.

APARTMENT HOUSES

Segregated Figures Being Taken.

APARTMENTS Cost, \$30,000
SAN FRANCISCO. Eighteenth Avenue
and Lake Street.

Three-story frame apartment house, 8
apartments (2 5-room; 2 3-room.
and 4 4-room apts.).

Owner—Angus McKillop.

Designer—A. M. Hardy, 212 8th Ave.,
San Francisco.

Carpentry work awarded to Alex. Mc-
Killop.
(31169) 1st report Oct. 28, 1919.

Plans Being Prepared.

APARTMENTS Cost, \$100,000
LOS ANGELES. Figueroa Street near
41st Street.

Four-story Class "C" brick apartment
house (75 apts. of 2 and 3 rooms
each).

Owner—Owners Corporation, Max

Rapaport, President.

Architect—J. Burton Cook, 632 Wesley
Roberts Bldg., Los Angeles.

Sketches Prepared.

ADDITION Cost, \$35,000
CHICO, Butte Co., Cal. Third and
Salem Streets.

Two-story fireproof addition for apart-
ments.

Owner—J. H. Minderman and C. F.
Reynolds, Chico.

Architect—Chester Cole, Waterland-
Breslau Bldg., Chico.

NOTE.—Construction will not be
started for at least six months.

Completing Plans. Contract Awarded
APARTMENTS Cost, \$200,000 or more
SAN FRANCISCO. Steiner Street and
Pacific Avenue.

Seven or eight-story Class "A" apart-
ment house (2 apts. on each floor).

Owner—Kittle Estate. (Mrs. Hinckley
Taylor).

Architect—Benj. G. McDougall, Shel-
don Bldg., San Francisco.

Contractor—Chas. Stockholm & Son,
Monadnock Bldg., San Francisco.

Plans Ready for Figures in 30 Days.

APARTMENTS Cost, \$140,000
FRESNO, Fresno Co., Cal. NE Kern &
"N" Streets.

Four-story fireproof apartments, 40x
150.

Owner—J. Crick, 1100 Van Ness Ave.,
San Francisco.

Architects—Glass & Butner, Cory
Bldg., Fresno.

Completing Plans. To be Done by Days
Work.

APARTMENTS Cost, \$10,000
SAN FRANCISCO. Third Avenue, Sun-
set District.

Two-story and basement frame and
plaster apartments (4 3-room apts.
and basement garage).

Owner—Mr. L. Arthur, 1230 Arguello
Blvd., San Francisco.

Architect—E. E. Young, 251 Kearny
St. San Francisco.

BANKS

Plans Being Figured.

BANK BUILDING Cost, \$50,000
ANTIOCH, Contra Costa Co., Cal. Cor.
Second and "H" Streets.

One-story reinforced concrete bank
building.

Owner—Bank of Antioch.

Architects—Sweetser & Baldwin, Marsh

Strong Bldg., Los Angeles.

Plans may be obtained at the bank

in Antioch.

Figures are being taken for a gen-
eral contract except interior fixtures,
which will be taken later.

Working Drawings Being Completed.

BANK BUILDING Cost, \$100,000
KINGSBURG, Fresno Co., Cal. Draper
Street.

Fireproof bank building, 100 foot

frontage.

Owner—Kingsburg Bank.

Architect—Anton Johnson, Kingsburg.

Plans Being Figured.

BANK & OFFICE BLDG. Cost, \$100,000
SAN PEDRO, Los Angeles Co., Cal.
Two-story and basement Class "B"

bank and office building, 50x100.

Owner—First National Bank of San
Pedro.

Architects—Edelman & Barnett, 826

H. W. Helman Bldg., Los Angeles.
(31843) 1st report Nov. 29, 1919.

Commissioned to Prepare Plans.

ADDITION Cost, \$—
SAN FRANCISCO. W Sansome St. N of
Market Adj. present building.

Class "A" addition to bank building.

Owner—Anglo-London Paris National
Bank.

Architect—Geo. W. Kelham, Sharon
Bldg., San Francisco.

It has not been decided how many
stories the addition will be, nor how
much money will be spent in the im-
provement.

BONDS

RIVERSIDE, Riverside Co., Cal.—In-
vestigation has revealed that the City
can vote bonds to an amount not ex-
ceeding \$200,000 for a City Hall. The
business men's association has ap-
pointed a committee to take up the
City Hall project with the Chamber
of Commerce. The committee consists
of F. P. Younglove, H. W. Hammond
and W. C. Moore.

MANTECA, San Joaquin Co., Cal.—
Bids will be opened by the Directors
of the So. San Joaquin Irrigation Dis-
trict on January 20th for the purchase
of the \$200,000 bond issue with which
to finance the completion of the drain-
age system, finishing up the work of
filling the flume, straightening and
work.

AUBURN, Placer Co., Cal.—A move-
ment has been started to call a city
bond election to build a paved road
connecting the Auburn-Grass Valley
Highways.

CORCORAN, Kings Co., Cal.—The
election held recently in the Corcoran
Irrigation District resulted in the \$760,-
000 bond proposition carrying by a big
majority. Proceeds of the sale will
finance reclamation work.

YREKA, Siskiyou Co., Cal.—Bonds of
\$125,000 have been voted in the Scott
Valley Irrigation District.

The proceeds from the sale of the
bonds are to be used in the construc-
tion of a ditch along the foothills on
the East Side of Scott Valley, distribut-
ing water to approximately 6,000 acres
of fertile land.

SUSANVILLE, Lassen Co., Cal.—On
approval of the plans and specifications
for the proposed road from Susanville

EUGENE, Ore.—Bonds of \$2,000,000 to
finance the construction of a county
highway system have been voted in
Lane County of which Eugene is the
County seat.

ABERDEEN, Grays Harbor Co.,
Wash.—The \$1,200,000 bond issue for a
county highway system carried at a
recent election.

SAN JOSE, Santa Clara Co., Cal.—
Bids will be received by the County
Supervisors up to January 5th, 1920, 11
A. M., for the purchase of the \$75,000
bond issue of the Cupertino Union
School District. Henry A. Pfister is
County Clerk.

OROVILLE, Butte Co., Cal.—Bids will
be received by the County Supervisors
up to January 15th for the purchase of
the \$140,000 bond issue of the Paradise
Irrigation District. Proceeds of the
sale will finance improvements in the
district.

James Pearson is President and G. C.
Bille, Secretary of the District.

RICHMOND, Contra Costa Co., Cal.
—Merchants of Macdonald avenue,
Richmond and Washington avenues are
contemplating the installation of an
electrolier system. Data on the pro-
posed system is now being gathered by
the City Council of which A. C. Faris
is Clerk.

EL MONTE, Los Angeles Co., Cal.—
Bonds to the amount of \$55,000 were
voted for constructing a city sewer
system.

to the Nevada State line, an election
will be called in the Lassen Boulevard
District to secure \$60,000 with which
to finance construction. The estimated
cost is placed at \$120,000 the other
half to be contributed by the State of
California.

American Association of Engineers

The Technical Engineers' Service Organization.

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POLITICAL COMMITTEE

E. H. Herbert....Oliver Mfg. Co.

Chapter Meeting Night, First Thursday Every Month at 7:30 P. M.

Commercial Club, Merchants Exchange Bldg.

Committee Meeting Every Friday, 7:30 P. M. at Chapter Office.

A. G. Mott, Secretary

San Francisco Chapter Office, 700 Marston Bldg.

244 Kearny St., S. F.

CHAPTERS & CLUBS:

SACRAMENTO CHAPTER

Lathrop, H. A.....Secretary
1321 Thirty-third St.
Sacramento - - California

LOS ANGELES CHAPTER

Harris, A. L.....Secretary
1104 Central Building
Los Angeles - - California

PORTLAND CHAPTER

Barnes, R. W. ....Sec. & Treas.
36 Union Station
Portland - - Oregon

FRESNO CHAPTER

Jean L. Vincenz.....Secretary
P. O. Box 922
Fresno - - California

SAN DIEGO CHAPTER

Grumm, Fred.....Secretary
2898 Spruce Street
San Diego - - California

SAN BERNARDINO CLUB

Woods, M. A.....Secretary
608 Tenth Street
San Bernardino - - California

EUREKA CLUB

Howard, F. W.....Secretary
Eureka - - - California

BAKERSFIELD, Kern Co., Cal.—The Supervisors of Kern County have tentatively decided to call an election to vote on issuing \$500,000 bonds to provide a memorial auditorium in the civic center in Bakersfield, and a building on the library memorial plan for every community in the county which has at present a post of the American Legion. Architect Chas. H. Biggar of Bakersfield, will be asked to prepare preliminary plans for the memorial. The auditorium for Bakersfield will have a seating capacity of 3000.

SAN LUIS OBISPO, San Luis Obispo Co., Cal.—The \$1,500,000 bond issue held recently to finance the construction of a county highway system carried. This is the second election, the first having failed to carry.

OROVILLE, Butte Co., Cal.—The \$1,800,000 bond issue to finance construction of 199 miles of roads in Butte County carried at a recent election. C. F. Belding is County Clerk.

FRESNO, Fresno Co., Cal.—The City Council, Chas. Dillon, City Clerk, is planning the purchase of three lots in "G" street and three lots at the corner of First and Belmont avenue on which it is planned to erect modern fire houses.

SELMA, Fresno Co., Cal.—Up to January 6th bids will be received by the Fresno County Supervisors for the purchase of the \$115,000 bond issue of the Selma School District. Proceeds of the sale will finance construction of a new school building.

LONE PINE, Inyo Co., Cal.—An election will be held December 31 in the Lone Pine school district, Inyo County, to vote on issuing \$40,000 bonds to purchase a site and erect a high school.

HOLLISTER, San Benito Co., Cal.—Steps are being taken by the residents in the Bolso District to organize a grammar school district in order that a bond issue might be voted to secure funds to erect a new school building, costing between \$5,000 and \$10,000.

W. J. Cagney is County Superintendent of Schools.

CALEXICO, Imperial Co., Cal.—Bonds to amount of \$30,000 were voted to construct a municipal water system and \$20,000 bonds were voted to complete the water works supply system, cement the canal and acquire rights of way.

VALLEJO, Solano Co., Cal.—On recommendation of City Engineer T. D. Kilkenny the City Council, Alf. E. Edgumbe, City Clerk, is considering the calling of an election to vote bonds of \$250,000 with which to finance street improvements.

CHURCHES

Plans to be Prepared.
CHURCH Cost, \$60,000
FRESNO, Fresno Co., Cal. "M" and Calaveras Streets.
 Fireproof church building (125x156 size of site).
 Owner—First Methodist Church of Fresno.
 Architect—Not Yet Selected.

Day's Work.
CHURCH Cost, \$6,000
MORGAN HILL, Santa Clara Co., Cal.
 One-story frame bungalow church.
 Owner—Christian Church of Morgan Hill, J. W. Webb, Pastor.
 Architect—None.
 Supt. of Construction—John Gale.

Plans Being Prepared.
ADDITION Cost, \$50,000
LOS ANGELES, Cal. Highland Park.
 Addition of brick auditorium to church
 Owner—Highland Park Presbyterian Church.
 Architect—Arthur G. Lindley, 904 Wright & Callender Bldg., Los Angeles.

Plans Being Prepared.
CHURCH Cost, \$30,000
LANKERSHIM, Los Angeles Co., Cal.
 Frame and plaster church.
 Owner—First M. E. Church.
 Architect—Arthur G. Lindley, 904 Wright & Callender Bldg., Los Angeles.

Plans Being Prepared.
CHURCH Cost, \$26,000
GLENDALE, Los Angeles Co., Cal.
 Hollow tile or brick church.
 Owner—Glendale Congregational Church.
 Architect—Arthur G. Lindley, 904 Wright & Callender Bldg., Los Angeles.

FACTORIES & WAREHOUSES

Plans to be Prepared.
STORAGE PLANT Cost, \$70,000
SAN JOSE, Santa Clara Co., Cal.
 One-story reinforced concrete cold storage plant.
 Owner—Bayside Canning Co.
 Architect—Chas. S. McKenzie, Bank of San Jose Bldg., San Jose.

Plans Being Prepared.
BUILDING Cost, \$—
SANTA ROSA, Sonoma Co., Cal.
 One-story reinforced concrete building.
 Owner—California Packing Cptn., 101 California St., San Francisco.
 Architect—Philip Bush, 101 California St., San Francisco.

Plans Ready for Figures Next Week.
CANNERY Cost, \$45,000
ISLETON, Sacramento Co., Cal. 1 mile above Isleton.
 One-story frame cannery building.
 Owner—Bayside Canning Co., Alviso, Calif.
 Architect—Chas. McKenzie, Bank of San Jose Bldg., San Jose.

Plans Being Prepared.
WAREHOUSE Cost, \$50,000
MAYFIELD, Santa Clara Co., Cal.
 One-story concrete and brick warehouse.
 Owner—Bayside Canning Co., Alviso, Calif.
 Architect—Chas. McKenzie, Bank of San Jose Bldg., San Jose.

Contracts Awarded. Lumber and Iron Bids Wanted Next Week.
BUILDINGS Cost, \$—
OAKLAND, Alameda Co., Cal. S E-14th Street 154 E 54th Avenue.
 Six reinforced concrete buildings for woolen mills.
 Owner—Federal Wool Mfg. Co., Mo-nadnock Bldg., San Francisco.

Designer & Contractor—Geo. Wagner,
 251 Kearny St., San Francisco.
 The following contracts have been awarded:
Sand, Rock and Gravel to California Building Material Co.
Cement—Santa Cruz Portland Cement Company.
Steel—Tuscon Steel Co.

Contract Awarded.
BRICK BLDG. Cost, \$20,000
SAN FRANCISCO, S Folsom W First.
 One-story reinforced concrete and brick building, 75x100 (Foundation strong enough for 4 stories).
 Owner—Catherine Dunn Co.
 Architect—Alfred Kuhn, 833 Market St., San Francisco.
 Contractor—G. P. W. Jensen, 320 Market St., San Francisco.

Contract Awarded. Excavation to Start Next Week.
CANNERY Cost, \$335,000
GRIDLEY, Butte Co., Cal.
 One-story brick and concrete cannery, 80x300.
 Owner—Libby, McNeill & Libby.

Architect—Washington J. Miller, 417 Market St., San Francisco.
Contractor—Palmer & Peterson, Mo-nadnock Bldg., San Francisco.
 The contractors will be ready to take sub-figures in about two weeks.

SACRAMENTO, Cal.—The bid of the Sacramento Transportation Co., Front and "N" Sts., Sacramento, for building an elevator on the waterfront at \$16,542 has been accepted by the City Commissioners. The only other bid received was that of the Otis Elevator Co., at \$16,980.

Sub-Figures Being Taken.
PRINTING PLANT Cost, \$150,000
SAN FRANCISCO. Third and Bryant Streets.
 Five-story reinforced concrete printing and book binding plant.
 Owner—Lange & Bergstrom, Sharon Bldg., San Francisco.
 Lessee—Schwabacher-Frey Co., Market and Second Sts., San Francisco.
 Designers & Contractors—Lange & Bergstrom, Sharon Bldg., San Francisco.

Sub-figures will be taken next week on all parts of the work.

Plans to be Prepared.
MANUFACTURING BLDGS. Cost, \$—
OAKLAND, Alameda Co., Cal.
 Group of manufacturing buildings (pottery plant).
 Owner—Withheld.
 Architect—Washington J. Miller, 417 Market St., San Francisco.

Contract Awarded.
FACTORY, ETC. Cost, \$100,000
EMERYVILLE, Alameda Co., Cal.
 Two-story reinforced concrete factory and power house.
 Owner—American Rubber Mfg. Co.
 Architect—Washington J. Miller, 417 Market St., San Francisco.
 Contractor—R. W. Littlefield, 565 16th St., Oakland.

Plans Being Prepared. Contract Awarded on a Percentage Basis.
SHOP, ETC. Cost, \$—
RICHMOND, Contra Costa Co., Cal.
 Group of 15 1, 2 and 3 story reinforced concrete buildings, machine shop, etc., to be known as "Mechanical

Group;" also sewers, sidewalks, street paving, railroad tracks, etc.
Owner—Standard Oil Co.
Engineers and Contractor—The Foundation Co., 58 Sutter St., San Francisco.

The Foundation Company are preparing the ground for construction, which will be started as soon as plans are complete. Sub-figures will be taken on all parts of the work.

GARAGES

Bids in and Under Advice.

GARAGE Cost, \$12,000
SAN FRANCISCO. W Mission 70 S Ocean Avenue.

One-story brick garage, 53x100.
Owner—Geo. Lagomarsino, 5571 Mission St., San Francisco.
Architect—Paul F. De Martini, 2123 Powell St., San Francisco.

Plans to be Prepared.

GARAGE Cost, \$50,000
COLUCA, Colusa Co., Cal. SE Fourth and Market Streets.
Two-story reinforced concrete garage and autosale room, 80x120.
Owner—J. J. O'Rourke, Colusa.
Architect—Not Selected.

Contract Awarded.

GARAGE Cost, \$12,000 approximately.
SAN FRANCISCO. S Clement W of Eleventh Avenue.
One-story reinforced concrete and steel garage.
Owner—Jacob Weisbein.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Contractor—W. A. Miller, 743 5th Ave., San Francisco.

Sub-Figures Being Taken.

GARAGE Cost, \$—
SAN FRANCISCO. E Howard and 5th Streets.
Class "C" garage and warehouse, 155x158.

Owner—Pacific Gas & Electric Co.
Architect—Wm. Knowles, Hearst Bldg., San Francisco.
Mr. Knowles is taking figures for the following sub-contracts:
Electric Work, Painting, Plumbing, Glass and Glazing, Metal Window Frames, Roofing, Rolling Doors (Kanneer or equal), Elevator Work, Etc.
The Clinton Construction Co., 140 Townsend St., has the concrete contract at \$114,120.

Contracts have also been awarded for the steel work and excavating; carpentry will be done by days labor.

Plans Being Prepared. Contract Awarded.

GARAGE Cost, \$70,000
FRESNO, Fresno Co., Cal. Van Ness and Tuolumne Streets.
Two-story and basement reinforced concrete garage and auto sales room, 75x150.

Owner—L. S. Cobb & Co., Inc.
Architect & Contractor—R. F. Felchlin Co., Rowell Bldg., Fresno.

GOVERNMENT WORK AND SUPPLIES

WASHINGTON, D. C.—Bids for the construction of a coal hopper at San Diego in connection with the Naval Fuel Depot, will be called by the Bureau of Yards and Docks, Navy Department, within the next few weeks.

The work will be provided for under Specification No. 4105.

SEATTLE, Wash.—Bids will be received by the Alaskan Engineering Commission, 422 Bell Street Terminal, Seattle, up to 11 A. M. January 26th, 1920 for furnishing and erecting in Alaska one steel bridge consisting of one 504 ft. through span.
Official proposal is on file in this office.

SEATTLE, Wash.—Bids will be received by the Alaskan Engineering Commission, 422 Bell Street Terminal, Seattle, Wash., up to 11 A. M. January 12th, 1920, for furnishing frogs, switch points, angle bars, nut locks, guard rails, rail clamps and end blocks and switch stands, under Circular No. 395.

Copy of official proposal may be seen at this office.

WASHINGTON, D. C.—The following awards have been made for work at Navy yards and stations on the Pacific Coast:

Puget Sound, specification 3983, temporary storage building, Puget Sound Bridge and Dredge Co., 811 Central Bldg., Seattle, Wash., \$51,350; time, 180 days.

San Diego, Calif., specification 4070, extension to radio buildings, Walter Slater Co., 2314 Santa Fe Ave., Los Angeles, Calif., \$7,500; time, 90 days.

Keyport, Wash., specification 4077, radio towers, Foundation Company, L. C. Smith Bldg., Seattle, Wash., \$42,468; time, 180 days.

WASHINGTON, D. C.—The contract for furnishing plumbing and heating materials, outside service connections and sewer discharge in the U. S. Marine Hospital, San Francisco, has been awarded to the Crane Co., 2nd and Brannan streets, San Francisco, at \$4,322.

WASHINGTON, D. C.—The Hemp Co., Corporation, St. Louis, Mo., has been awarded a contract by the General Supplies Division, Office, Purchase, Storage & Traffic, Washington, D. C., for furnishing to Fort Mason, San Francisco, stove pipe joints, they being low bidders as follows: 2,000 at 20 cents each; 1,000 at 22.5 cents each, or 100 at 27 cents each, f. o. b. St. Louis.

WASHINGTON, D. C.—Bids will be received by the Department of the Interior, Office of Indian Affairs, Washington, D. C., up to January 8th, 2 P. M., for furnishing materials and labor for the erection of a steel bridge over the Santa Clara River in the Shivwits Indian Reservation, Utah.

Plans may be seen at the United States Indian Warehouse, 608 Howard St., San Francisco.

SUPPLIES FOR THE NAVY—Navy Department, Bureau of Supplies and Accounts, Washington, D. C.—Sealed bids will be received here for furnishing supplies under schedules as follows. Closing date noted at end of each paragraph.

Schedule 5207, for Mare Island, 2 foundry pressure blowers, opening of January 6.

Schedule 5208, eastern and western yards, miscellaneous Portland cement,

opening of December 30.

Schedule 5209, eastern and western yards, 56 carpenters' adzes, ship augers, sliding T bevels, 116 Foster type and gimlet bits, 324 carpenters' chisels, firmer socket roughs, smoothing and jointer planes, various kinds of saws, also steel multiple folding rules, opening of January 6.

Schedule 5210, for Mare Island, 6 wood trimmers, opening of January 20.

Schedule 5212, for Mare Island, 43 tinsmiths' machines, opening of January 6.

Schedule 5213, eastern and western yards, 188 washer cutters, various kinds of punches and 12 low dies, opening of January 6.

Schedule 5214, eastern and western yards, 89 drill chucks, opening of January 20.

Schedule 5215, various eastern and western yards, various kinds of pliers, opening of January 6.

Schedule 5216, eastern and western yards, measuring tapes, opening of January 6.

Schedule 5217, various eastern and western yards, miscellaneous ratchet drills, opening of January 6.

Schedule 5236, for Puget Sound, 3 portable and tool dressing furnaces, 7 forges, various kinds, 1 blower or compressor, opening of January 9.

Schedule 5238, for Puget Sound, 1 torsion meter, 1 revolution counter and 1 engine log system, opening of January 9.

Schedule 5239, for Mare Island, 10,000 lbs. cotton rags, opening of December 30.

Schedule 5240, for Puget Sound, 43,000 deck bolts and nuts and 2,000 pounds iron or steel washers, opening of January 13.

Schedule 5241, for Puget Sound, 8,900 pounds sheet lead, opening of January 13.

Schedule 5242, for Puget Sound, sheet steel, opening of January 13.

Schedule 5255, for Puget Sound, 3 crane ladders, 10 hand ladders, 1 magnetic separator, 1 tumbler and spare parts, 1 brass furnace, 2 iron cupolas and 1 blower or compressor, opening of January 13.

Schedule 5261, for Puget Sound, 2 forced draft blowers, opening of January 13.

For further information address the bureau of supplies and accounts, Navy Department, Washington, D. C.

L. A. Danner Co., Stockton, Calif., has been awarded a contract at \$1,890 for painting and repairs at the U. S. Post Office, Stockton, Calif. The work is to be completed in 30 days.

The following bids were received November 26 at San Diego, Calif., under Yards and Docks Specification 4070 for extension to radio buildings:

Item 1, work, complete; 2, price per cu. yd. for concrete and excavation for helix foundation.

Walter Slater Co., item 1, \$7,500, 90 days; (2) \$2.

Louis A. Geisler (1) \$8,548.17; (2) concrete, \$25, excavation, \$1.50.

SAN DIEGO, Until 11 a. m. January 7, bids be received by Major Frederick H. Downing, U. S. District Engineer, 725 Central Bldg., Los Angeles, for dredging in San Diego harbor. Three areas are to be dredged, requiring

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200,000, 350,000 and 1,077,000 cubic yards excavation respectively, a total of 1,584,000 cubic yards. There is an appropriation of \$374,000 available for the work, including incidental expenses.

HALLS AND SOCIETY BUILDINGS

Contract Awarded.

LODGE & CLUB BLDG. Cost, \$100,000
PORTLAND, Ore. Park and Taylor Sts.
Four-story brick and concrete lodge and club building.

Owner—Knights of Columbus.

Architect—Jos. Jacobberger, Board of Trade Bldg., Portland.

Contractor—A. Guthrie & Co., Sherlock Bldg., Portland.

HOTELS

SAN MATEO, San Mateo Co., Cal.—Weymouth & Corrigan, San Mateo, have been awarded the contract for painting and papering the Wisnom Hotel building now being remodeled on Second Avenue.

Site Purchased. Plans to be Prepared.
HOTEL, ETC. Cost, \$—

TRACY, San Joaquin Co., Cal. SW Central Ave. and Ninth St.

Two-story concrete stores and hotel.

Owner—J. C. Droge, Tracy.

Architect—Not Selected.

Plans Being Prepared.

HOTEL. Cost, \$80,000
SEATTLE, Wash. Westlake Avenue
Vicinity of Times Square.

Four-story and basement brick hotel, 50x120.

Owner—Withheld.

Architect—O. Dickinson, Seaboard Bldg., Wash.

Plans to be Prepared.

HOTEL. Cost, \$250,000
COLUSA, Colusa Co., Cal. NW Fourth and Market Streets.

Three or four-story reinforced concrete hotel, 150 rooms (building site, 120x120).

Owner—J. J. O'Rourke, Colusa.

Architect—Not Selected.

Plans to be Prepared.

HOTEL, ETC. Cost, \$200,000
WINNEMUCCA, Nevada. Site of Old El Dorado Hotel.

Five-story fireproof hotel, bank and store building (110 rooms, half of which will have private baths).

Owner—Association headed by George Wingfield, Reno, Nevada.

TURLOCK, Stanislaus Co., Cal.—Articles of incorporation have been filed with County Clerk Hugh Benson by the Stanislaus Hotel Company. The company plans the erection of a modern hotel building in Turlock to be known as "The Stanislaus." Directors of the company are: H. S. Crane, C. H. Geer, E. B. Osborn, Howard Whipple and C. F. Pendergraft. The company is capitalized at \$275,000.

POWER PLANTS

VENTURA, Ventura Co., Cal.—The State Railroad Commission has granted the Sespe Light & Power Co., Merchants Trust Bldg., Los Angeles, permission to construct hydro-electric

plants at the Sespe and Piru rivers in Ventura County. The company must present its plans for financing the project within 30 days. The company proposes to build two dams on Sespe river, a conduit 3 miles long and two power plants of 10,000 to 15,000 kilowatts each. The water will also be used to irrigate 100,000 acres in Simi, Santa Clara, Little Simi, Epworth, Las Posas, Conejo and Russell valley.

PUBLIC BUILDINGS

SAN FRANCISCO.—Mr. Jules Alexander and associates of Susanville, Cal., who recently sold a 320 acre industrial site at Susanville, Lassen County, to the Fruit Growers Supply Co., which concern is now constructing an industrial plant which will give permanent employment to approximately 1500 workmen, announces that upon their adjoining properties they have completed arrangements for the erection of 300 or more standardized houses to cost approximately \$1800 each.

These houses are to be offered for sale to employees of the Fruit Growers Supply Company and the Lassen Lumber & Box Company.

The houses are to be constructed upon standardized plans prepared by Mr. John E. Rogers, Engineer, of this city and under his general supervision. The contract for plumbing and sewage disposal has been let to J. M. Lettich, Monadnock Bldg., San Francisco.

Plans Being Re-Figured. Bids Close

Dec. 30, 1919, 1 P. M.

PLANE BANDSTAND. Cost, \$—
OAKLAND, Alameda Co., Cal. Lake-side Park.

Completion of bandstand (steel, stone and carved wood). The foundation and base are already in.

Owner—City of Oakland Park Commissioners, City Hall, Oakland.
Architects—Reed & Corlett, Oakland Bank of Savings Bldg., Oakland.

Only one bid was received on December 16th, as follows:
Andrew T. Hunt, \$45,600; alternate (1) \$33,345; (2) \$26,865.

This bid was rejected as being too high and new bids called for with a third alternate, which is expected to bring it within the appropriation.

Plans and specifications may be obtained in about three days from the office of the Park Commissioners on a deposit of \$10.

Plans Being Completed. Bids to be

Called Shortly.

COMFORT STATIONS. Cost, \$20,000
FRESNO, Fresno Co., Cal., County Court House Grounds.

Two one-story reinforced concrete comfort stations.

Owner—County of Fresno. D. M. Barnwell, County Clerk.

Architects—Swartz & Ryland, Rowell Bldg., San Francisco.

Plans Being Figured. Bids Close Feb. 2, 1920.

COURT HOUSE. Cost, \$150,000
INDEPENDENCE, Inyo Co., Cal.
Reinforced concrete and terra cotta court house.

Owner—Inyo County.
Architect—W. H. Weeks, 75 Post St., San Francisco.

Plans Being Prepared.
DECORATION WORK. Cost, \$20,000

SAN FRANCISCO. Auditorium Building, Civic Center.

Decoration work for auto show.

Owner—Pacific Auto Show.

Architects—Ward & Blohme, 454 California St., San Francisco.

Plans to be Completed.

AQUARIUM. Cost, \$250,000

SAN FRANCISCO. Golden Gate Park

E of Academy of Science Building.

Class "A" Aquarium.

Owner—California Academy of Sciences

Architect—Lewis P. Hobart, Crocker Bldg., San Francisco.

Engineer—T. Ronneberg, Crocker Bldg., San Francisco.

NOTE:—Through a court decision the money will be available in the near future, and construction started as soon as plans can be completed.

RESIDENCES

Plans Being Prepared.

BUNGALOWS. Cost, \$4000 each

BURLINGAME, San Mateo Co., Cal.

Five one-story frame bungalows (5 rooms each).

Owner—Withheld.

Architect—Chas. E. J. Rogers, Phelan Bldg., San Francisco.

Plans Being Prepared.

COTTAGES, ETC. Total cost, approximately, \$500,000.

DEL MONTE, Monterey Co., Cal.

Bath house, 225 cottages of two and three rooms each; altering boat house into power plant; extension of pier; parking, etc.

Owner—Del Monte Bath House Co., Headed by H. J. Lugg of New York.

Architect—Paul V. Tuttle, 565 Light-house Ave., Pacific Grove.

Mr. Lugg has been in Del Monte for the past few weeks accompanied by C. L. Lyon, contractor of New York, who will have charge of all construction.

Sketches Being Prepared.

RESIDENCE. Cost, \$5,000

SAN FRANCISCO.

One and one-half-story frame residence

Owner—Withheld.

Architect—A. M. Hardy, 212 8th Ave., San Francisco.

Plans Being Figured.

RESIDENCES. Cost, \$10,000 each

SAN FRANCISCO. Forest Hill.

Six two-story and basement frame and plaster residences and separate garages (7 and 8 rooms and 3 bathrooms each.)

Owner—Withheld.

Architect—Walter Falch, Hearst Bldg., San Francisco.

Figures are being taken for a general contract.

Contract Awarded.

RESIDENCE. Cost, \$20,000

TURLOCK, Stanislaus Co., Cal.

One-story brick veneer residence.

Owner—Horace Crane, Turlock.

Architect—W. H. Weeks, 75 Post St., San Francisco.

Contractor—Swan Wakefield, Turlock.

Plans Prepared.

RESIDENCE. Cost, \$20,000

UPLAND, Los Angeles Co., Cal. 19th

Street and Mountain Avenue.

Two-story and basement stone and plaster residence.

Owner—R. M. Eichelberger.

Architect—Hunt & Burns, 701 Laughlin Bldg., Los Angeles.

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Contract Awarded.

RESIDENCE Cost, \$20,000
LOS ANGELES, Cal. Irving Blvd. bet.
4th and 5th Streets.

Two-story frame and plaster residence
(12 rooms and 3 bathrooms).

Owner—Wilson E. Baker, 526 S-Serrano
St., Los Angeles.

Architect & Contractor—S. M. Cooper,
510 Merritt Bldg., Los Angeles.

Figures Being Taken.

RESIDENCE Cost, \$35,000
BERKELEY, Alameda Co., Cal. Near
Hotel Claremont (Oak Ridge Lots
6 and 7).

Two-story and basement frame and
plaster residence (10 rooms and 4
bathrooms).

Owner—G. A. Mattern.
Architects—Louis M. Upton and M.
Latham, 554 Montgomery St., San
Francisco.

Figures are being taken for a general
contract, except heating and painting.

The excavating and grading con-
tract has been awarded to The Oak-
land Paving Co. at \$2,500.

Plans Being Prepared. To be Done by
Day Work.

RESIDENCES Cost, \$4,750 each
SAN FRANCISCO. Westwood Drive.
Four one-story 5-room frame residences
Owner—A. G. Olsen.
Architect—H. C. Baumann, 251 Kearny
St., San Francisco.

Preliminary Plans Being Prepared.

RESIDENCE Cost, \$35,000
BURLINGAME, San Mateo Co., Cal.
Residence (type of construction not
decided).

Owner—W. P. Fuller Jr.
Architects—Ward & Blohme, 454 Cal-
ifornia St., San Francisco.

Construction will not be started for
several months, as Mr. Fuller is in
Europe.

Sketches Being Prepared.

ALTERATIONS Cost, \$—
SAN FRANCISCO. No. 2512 Pacific Ave.
Alter residence.

Owner—Edward A. Van Bergen, Prem.
Architect—Ward & Blohme, 545 Cal-
ifornia St., San Francisco.

Preliminary Plans Being Prepared.

RESIDENCE, ETC. Cost, \$50,000
SAN FRANCISCO. Ingleside Terrace.
Two-story and basement frame and
brick veneer residence and garage
Owner—H. O. Harrison.
Architects—Ward & Blohme, 545 Cal-
ifornia St., San Francisco.

Construction will be started in the
Spring.

Plans Being Prepared.

RESIDENCE Cost, \$20,000
WINTERS, Yolo Co., Cal.
Two-story hollow tile residence.
Owner—Withheld.
Architect—Lawrence Flagg Hyde, 2745
26th Ave., Oakland.

Ready For Figures Next Week.

ADDITION COST, \$—
OAKLAND, Alameda Co., Cal. Clare-
mont District.

Two-story addition to present two-
story frame residence (5 rooms and
sleeping porch, also separate gar-
age).

Owner—Mr. McDuffie, of Mason-Mc-
Duffie Company.

Architect—Henry H. Gutterson, 278
Post St., San Francisco.

Figures will be taken for a general
contract.

Plans Being Prepared.

RESIDENCE Cost, \$7,500
WOODLAND, Yolo Co., Cal.

One-story hollow tile residence.

Owner—Withheld.

Architect—Lawrence Flagg Hyde, 2745
26th Ave., Oakland.

SCHOOLS

YUMA, Ariz.—The following bids
were received by the Board of Trus-
tees of Yuma grammar school district
for the erection of a new grade school
building: Edwards & Wildey Co., (1)
tile building with pressed brick facing,
\$206,000; (2) tile and cement plastered
building, \$205,000; (3) concrete walls,
plastered exterior, \$203,800. Tucker Co.
(1) \$225,970; (2) \$217,715; (3) \$215,715.
Wm. Simpson Co., (1) \$220,500; (2)
\$219,000; (3) \$216,500. E. C. English (1)
\$255,000; (2) \$220,000; (3) —. Thos.
Haverty Co., submitted a bid of \$16,-
450 for plumbing work and at \$26,800
for the heating system. W. P. Mc-
Arthur bid \$25,353 for the heating
work. There being only \$150,000 avail-
able for the building all bids were re-
jected. The school trustees plan on
calling an election immediately to vote
on an issue of \$100,000 bonds, to pro-
vide additional funds to cover the cost
of the new building as originally
planned, to purchase equipment and
improve the school grounds. Norman
F. Marsh, 211 Broadway Central Bldg.,
Los Angeles, is the architect.

Contract Awarded.

SCHOOL Cost, \$35,717
SEATTLE, Wash.

Two-story brick combination grade and
high school.

Owner—Maple Valley School District.
Architect—Wm. Mallis, Lyon Bldg.,
Seattle, Wash.

Contractor—O. A. Kuppler, 1018 Taylor
Ave., Seattle.

Contract awarded to the Coffee
Plumbing & Heating Co. of Tacoma
for plumbing and heating at \$5,933.

Plans Prepared. Bonds Yet to be Voted.

SCHOOL Cost, \$50,000
SAN RAFAEL, Marin Co., Cal. "B" St.
Elementary school with auditorium
(seating capacity of auditorium,
1000).

Owner—City of San Rafael.

Architect—Norman W. Sexton, 454 Cal-
ifornia St., San Francisco.

NOTE—A date for a bond election
will be set within the next few weeks.

Contract Awarded.

SCHOOL Cost, \$41,670
NEAR HUNTINGTON PARK, Los An-
geles Co., Cal.

One-story hollow tile school, 102x114.
Owner—Fruitvale School District.

Architect—Henry Hasenburger, 607
Chamber of Commerce Bldg., Los
Angeles.

Contractor—Frank Hudson, 23rd St.,
Santa Monica, Cal.
(31765) 1st report Nov. 25, 1919.

Plans Being Prepared. Bonds of \$75,-
000 to be sold by Santa Clara
County Supervisors January 5th.
SCHOOL Cost, \$—

CUPERTINO, Santa Clara Co., Cal.

Union High School Building.
Owner—Cupertino Union High School
District.

Architect—Chas. S. McKenzie, Bank of
San Jose Bldg., San Jose.

Ready For Figures in About a Week.
SCHOOL Cost, \$40,000

YREKA, Cal. Yreka Grammar School.
One-story brick and concrete gram-
mar school (8 rooms and an audi-
torium).

Owner—Yreka School District.

Architect—Henry C. Smith, Humboldt
Bank Bldg., San Francisco.

Plans Being Prepared. Bonds Voted.

SCHOOL Cost, \$200,000
BAKERSFIELD, Kern Co., Cal.

Fireproof high school.
Owner—Kern County Union High
School District.

Architects—Thos. B. Wiseman and
Chas. H. Biggar, Morgan Bldg.,
Bakersfield.

BIDS OPENED FOR CLOVIS SCHOOL.

CLOVIS, Fresno Co., Cal.—The fol-
lowing bids were received December
16th by the Clovis High School District
for the construction of a two-story
concrete high school building from
plans prepared by Architect W. H.
Weeks, 75 Post St., San Francisco.
Bids were taken under advisement.

Concrete and Excavation.

Del Favero & Rasori, 110 Jessie
St., San Francisco.....\$21,993
McLeran & Peterson.....25,700
A. Knowles.....37,550

Masonry and Terra Cotta.

Mealy & Collins.....\$13,500
A. Knowles.....7,200

Steel and Iron Work.

A. Knowles.....\$980
Sartorius Co.....992

Carpentry.

Del Favero & Rasori.....\$45,887
McLeran & Peterson.....59,950

A. Knowles.....58,885

Composition Flooring.

Fibrestone Roofing.....\$260
Blackboards

C. F. Weber & Co. (Hylop), \$1,896.90.
Rucker Fuller Desk Co. (Beaver)
\$1,086.96.

C. F. Weber & Co. (Slate) \$1,863.36.
Rucker Fuller (Slate) \$1,863.36 and
\$1,647.20.

Composition Roofing.

J. W. Bender Roofing Co.....\$1949

Terra Cotta Roofing.

A. Knowles.....\$450
Fibrestone Roofing Co.....600

Gladding, McLean.....725
United Materials Co.....600-

Plastering

A. Knowles.....\$17,400 \$17,000

Electric Work.

F. E. Newberry.....\$2,985
Watts Electric Co.....3,900

Butte Elec. Equipment Co.....5,483
Central States Elec. Co.....5,750

Plumbing.

F. W. Snook Co.....\$6,346
Scott Co.....6,198

B. A. Newman.....7,947
Robert Dalziel.....5,747

Sheet Metal Work.

A. Knowles.....\$1,950
Robert Dalziel.....2,355

W. Heidt Cornice Works.....2,448
Forderer Cornice Works.....2,487

Painting.

Schuty & Co.....\$8,910
W. T. Baker.....5,655

T. R. Bradbury.....3,320

Garnette & Chandler..... 6,200
D. Zelinsky..... 5,450
Program Clocks.
Standard Electric Time Co.....\$1,430

STORES AND OFFICES

General and Segregated Figures Being Taken.

BANK AND OFFICES Cost, \$500,000
SAN FRANCISCO. NW Eddy & Powell Streets.

Six-story Class "A" bank and offices.
Owner—Bank of Italy.
Architects—Bliss & Faville, Balboa Bldg., San Francisco.
The steel, grading and foundation contracts have been awarded.

Sketches Being Prepared.
STORE BUILDING Cost, \$6,000
SAN FRANCISCO.
One-story frame store building.
Owner—Withheld.
Architect—A. M. Hardy, 212 8th Ave., San Francisco.

Sub-Figures Being Taken.
ADDITION Cost, \$45,000
PALO ALTO, Santa Clara Co., Cal.
Two-story and basement Class "B" addition, 35x130, to department store.
Owner—Jas. Frazer Dept. Store.
Architect—Henry Shermund, Hearst Bldg., San Francisco.
All work will be done by days work and sub-contracts and will start immediately after the holidays.

Plans Being Prepared.
STORES, ETC. Cost, \$18,000
TULARE, Tulare Co., Cal.
Two-story brick stores and photo studio.
Owner—O. D. Holmes, Tulare, Cal.
Architect—J. R. Henderson, Tulare.

Plans Being Figured.
STORE & OFFICE BLDG Cost, \$200,000
LONG BEACH, Los Angeles Co., Cal.
Four-story Class "A" reinforced concrete store and office building, 50x150
Owner—Pickerell & Scott.
Architect—Fred R. Dorn, 1233 Marsh-Strong Bldg., Los Angeles.

Preliminary Plans Being Prepared.
BAKERY, ETC. Cost, \$60,000
SAN FRANCISCO. Buchanan Street near Fillmore.
One-story reinforced concrete or brick bakery and garage.
Owner—Withheld.
Architect—J. H. Powers, 460 Montgomery St., San Francisco.

Sub-Figures Being Taken.
STORE & LOFT BLDG. Cost, \$—
SAN FRANCISCO. Location Not Given
Two-story and basement reinforced concrete store and loft building.
Owner—York Realty Co. (H. H. Helbush), 75 Sutter St., San Francisco
Architect—W. L. Schmölle, 40 Montgomery St., San Francisco.

Contract Awarded.
STORES Cost, \$10,000
MANTECA, San Joaquin Co., Cal. NE Center St. and Hogan Road.
One-story brick stores, 50x100.
Owner—Lucky McFall, Manteca.
Architect—Not Given.
Contractor—H. J. Ross, Manteca.

Contract Awarded.
DEPARTMENT STORE Cost, \$300,000
SAN DIEGO, Cal. Fifth and Broadway.
Eight-story Class "A" reinforced concrete department store building.
Owner—Holzwarth, Inc.
Architect—John T. Vawter, San Diego.
Contractor—Länge & Bergstrom, Sharon Bldg., San Francisco, and Timken Bldg., San Diego.

Contracts Awarded.
AUTO SALES BLDG. Cost, \$17,000
SAN FRANCISCO. S Post 137-6 — Van Ness Avenue.
One-story and basement Class "C" auto sales building.
Owner—Mary A. Ruggles.
Architect—August G. Headman, Call Bldg., San Francisco.
Concrete Work by De Luca.
Carpentry Work—Andrew Nelson.
Iron Work—Folsom Street Iron Works
Marble Work—Vermont Marble Co.
Plaster—F. W. Mecklenburg.
Sheet Metal Work—Gulffoy Cornice Works.
Painting—R. Zelinsky.
Electric Work—City Protective Electric Company.

All Bids Rejected. Construction Postponed.
OFFICE BUILDING Cost, \$100,000
SAN FRANCISCO. N Pine Street, bet. Front and Davis, W of Oceanic Building.
Two-story and basement Class "A" office building (frame to be strong enough for 6 additional stories) 87½ foot frontage.
Owner—Ames-Harris Neville Co., 100 Potrero Ave., San Francisco.
Architect—J. R. Miller, Lick Bldg., San Francisco.
NOTE:—Construction has been postponed indefinitely on account of bids being too high.

Contracts Awarded.
ALTERATIONS Cost, \$20,000
SAN FRANCISCO. No. 333 California Street.
Extensive alterations to store.
Owner—Trauna & Sons.
Architect—Alfred Kuhn, 833 Market St., San Francisco.
Carpentry Work to G. E. Ahl.
Interior Wood Work—Mullen Mfg. Co.
Marble Work—Joseph Musto Sons—Keenan Co.
Plastering—McGruer & Simpson.
Store Fronts—Kawneer Co.
Sheet Metal Work—J. A. Korell.
Glazing—Hebenicht & Howlett, Inc.
Kilnstone Flooring—Walter Dixon.
Painting and Interior Decorating—Keefe & Co.
Sengilia—Coast Art Marble Co.
Electric Work—Browne-Langlais Elec. Constr. Co.

Contract Awarded.
ALTERATIONS Cost, \$3,250
HANFORD, Kings Co., Cal. In Hanford Hotel Building.
Alter for store. Interior partitions, electric work, fixtures, etc.
Owner—J. C. Penney Co.
Architect—None.
Contractor—Brown & Denham, Hanford.

THEATRES

Plans Being Prepared.
THEATRE Cost, \$250,000
OAKLAND, Alameda Co., Cal. Location Withheld for Present.
Class "A" theatre motion picture theatre (3000 seats.)
Owner—Kinema Theatre. Oliver Kehrein, Manager, Oakland.
Architect—Withheld for Present.

ENGINEERING


BRIDGES, DAMS & HARBOR WORK

PHOENIX, Ariz.—State Engineer Thomas Maddock has taken up with the governor the matter of providing emergency funds to restore the Antelope Hill bridge across the Gila river and the highway bridge across the Agua Fria, washed out by recent floods. The former structure cost \$101,000 and the latter \$135,000. The Gila river has established a new channel half a mile west of Antelope Hill bridge.

FRESNO, Fresno Co., Cal.—The State Highway Commission has requested the Supervisors of Fresno County to take immediate steps providing for the construction of two bridges over Los Gatos Creek.

The sites of these proposed structures lay on the section between Coalinga and the Oil King school. The larger bridge is to be 370 feet in length and the smaller 100 feet in length. The latter is across Los Gatos wash.

Five other bridges on the lateral the county is asked to build. They are located as follows: across a tributary of Waltham Creek between No. 2 Associated Oil station and Parkfield, 30 feet in length; and four over



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Walham Creek between Parkfield Junction and Coalinga, of the following lengths 80 feet, 150 feet, 100 feet and 170 feet.

YUBA CITY, Sutter Co., Cal.—George F. Maddock, General Manager of the Sutter Basin project in Reclamation District 1500, has urged the County Supervisors to construct certain bridges and roads to insure for Yuba City and other markets a share of the district's business.

SANTA ROSA, Sonoma Co., Cal.—The County Surveyor has been instructed to prepare plans and specifications for a new steel and reinforced concrete bridge over the Russian River at Healdsburg. W. W. Felt Jr. is County Clerk.

LONG BEACH, Los Angeles Co., Cal.—The harbor commission has agreed upon recommendations for improvements to Long Beach harbor that will cost more than \$1,000,000 and a bond issue will probably be asked. The proposed improvements include acquisition of additional land adjacent to harbor channels, provision for docks and warehouses, extension of jetties at the harbor entrance, and widening and deepening the channels and turning basin.

RED BLUFF, Tehama Co., Cal.—Bids will be received by H. G. Kuhn, County Clerk, up to January 13th, 10 A. M., for the construction of a bridge across Deer creek at a place that is known as the "Upper Deer Creek Crossing," in Supervisor district No. 5.

Certified check of 10% payable to the County Clerk must accompany each bid.

SANTA ROSA, Sonoma Co., Cal.—The County Supervisors have awarded a contract to W. L. Proctor, 1000 Spring St., Santa Rosa, for the construction of a reinforced concrete bridge over Copeland Creek on the Snyder Lane Road, 1.9 miles north of Cotati station, at \$2,090. W. W. Felt Jr. is County Clerk.

RED BLUFF, Tehama Co., Cal.—The County Supervisors, H. G. Kuhn, County Clerk, has awarded contracts to Boardwell & Zimmerman, for the construction of the bridge on the Corning road at \$1,000 and the bridge on the Foster road at \$1,025.

FRESNO, Fresno Co., Cal.—Jap E. Mitchell, Fresno, has been awarded a contract by the County Supervisors, D. M. Barnwell, County Clerk, for the construction of an 80-foot bridge across the Fowler-Switch canal on Sanger-Academy avenue at \$6,036.87 or \$31.98 per cubic yard of concrete. Other bids were:

Smith & Wheeler, \$34.40 per cubic yard of concrete, and Thompson Bros., \$35 per cubic yard.

On a bid of \$31.30 per cubic yard, the contract for the erection of the bridge over the C.-K. canal two miles south of Sanger, was awarded to Smith & Wheeler. Other bids received were: J. E. Mitchell, \$32.49, or \$4,646.40 for the structure complete, and Thompson Bros., \$35 per cubic yard.

CHICO, Butte Co., Cal.—The enlargement of the Nevils dam of the Great Western Power Company, Lake

Almanor reservoir, Plumas County, which supplies the Western Canal Company with water, is contemplated as the result of demands for water made by Sacramento Valley farmers and rice growers.

This is according to H. F. Cauthard, Manager of the canal company, who states that the present demand for irrigation water will bring a widening of the canal lines of the company and raising of the Big Meadows dam.

EUREKA, Humboldt Co., Cal.—The Mercer-Fraser Co., Eureka, has been awarded a contract by the Humboldt County Supervisors for the construction of the two steel bridges across the Mattole river at Thorn and Honeydew, the bid for both structures being \$55,200.

LOS ANGELES, Cal.—The following bids were received by the Board of Supervisors of Los Angeles County Flood Control District for constructing three bridges over the silt diversion channel at Long Beach, exclusive of steel, bids for which are being held under advisement:

Ross Construction Co., Glendale—Anaheim street bridge, 40-ft. spans; Item 1, driving about 203 creosoted piles, \$16.50 each, \$3349.50; Item 2, furnishing about 65,750 lb. creosoted lumber, \$22 per M. ft. B. M., \$1446.50; total bid, \$4796. Anaheim street bridge, 25-ft. span: Item 1, driving about 104 piles, \$30 each, \$3120; Item 2, for about 39,400 lb. creosoted lumber, \$30 per M. ft. B. M., \$1182; Item 3, for about 111,700 lb. untreated lumber, \$15 per M. ft. B. M., \$1275.50; total bid, \$4775.50.

Seventh Street Bridge—25-ft. spans, Item 1, for driving about 397 piles at \$15 each, \$5955; Item 2, for furnishing about 182,000 lb. creosoted lumber, at \$22 per M. ft. B. M., \$4036, total bid, \$9991. Seventh street bridge, 41-ft. spans: Item 1 for driving about 534 piles, \$15 each, \$8015; Item 2, for furnishing about 81,000 lb. creosoted lumber, \$22 per M. ft. B. M., \$1782; total bid, \$9797.

Ocean Blvd. Bridge—For driving about 436 creosoted piles, \$15 each, \$6,540; Item 2, for furnishing about 142,000 lb. creosoted lumber, \$22 per M. ft. B. M., \$3116; total bid, \$9656.

Mercereau Bridge & Construction Co.—Anaheim Street bridge, 40-ft. spans: Item 1, \$18 each, \$3654; Item 2, \$32.50 per M. ft. B. M., \$2136.87, total bid, \$5,790.87. Anaheim street bridge 25-ft. span: Item 1, \$18.60 each, \$1,414.40; Item 2, \$25 per M. ft. B. M., \$985; Item 3, \$18.20 per M. Ft., \$2032.94; total bid, \$4,432.34.

United Dredging Co., submitted a proposal for driving piles on Seventh St., Anaheim St., and Ocean Blvd. bridges of 18c per lin. ft. for driving piles, plus 50c each for cutting of piles; for placing creosoted lumber on Seventh St., Anaheim St., and Ocean Blvd. bridges, at \$22.50 per M. ft. B. M.; for placing untreated lumber at \$15 per M. ft. B. M. The bids were referred to the county flood control engineer.

SAN JOSE, Santa Clara Co., Cal.—The County Supervisors, Henry A. Pfister, County Clerk, are contemplating the erection of a new structure to replace the present Gest bridge.

SAN FRANCISCO.—The Board of Public Works has awarded a contract to Healy-Tibbitts Construction Co., 9 Main street, for making rock fill to approach at Islais Creek bridge and has requested the Supervisors to appropriate \$4,000 to cover the cost of the contract.

CITY BIDS OPENED.
SAN FRANCISCO.—The following bids were received by the Board of Public Works for Municipal improvements:

Rock Fill to Approaches to Islais Creek Bridge.
Healy-Tibbitts Constr. Co. \$3,528
Daniel Contracting Co. 3,744
Improvement of East Half of Tenth Avenue from South Line of Ortega Street 125 feet Southerly.

O. G. Ritchie \$2,012.03
Cleaning and Painting Bridges at Third and Channel Streets, Islais Creek and Third St., and San Jose and Mt. Vernon Aves.
D. Zelinsky & Sons, Item A, \$6,500; Item B, \$5,300; Item C, \$3,433. Alternative Item A, \$6,700; Item B, \$5,500; Item C, \$3,700; Total, \$15,900.
I. R. Kissel (A) \$6,000; (B) \$5,053; (C) \$3,200; Total, \$13,753.

Decker & Newton (A) \$5,906; (B) \$3,543; (C) \$2,362. Alternative, (A) \$5,315; (B) \$3,159; (C) \$2,126; Total, \$10,631.25.

BENICIA, Solano Co., Cal.—A committee has been appointed by the Mayor of Benicia to take up the matter of filling in swamp lands for factory sites. It is proposed to build a bulkhead line and then fill in above seepage water. J. C. McAravy is City Clerk of Benicia.

BALLARD, Wash.—Chas. A. D. Young, Mechanical and Electrical Engineer, 216 Lumber Exchange Bldg., Seattle, has been commissioned by the United States Government to prepare plans and specifications for a \$400,000 emergency dam for the Lake Washington Canal locks at Ballard.

The dam will be in the form of a swing bridge carrying movable wickets and will be of steel. It will be operated by electricity.

This structure is included in the recommendations made to Congress by the rivers and harbors committees.

PHOENIX, Ariz.—F. L. Sellow, former consulting engineer for the State of Arizona, has submitted to the State Loan Board an estimate of the cost of completing the Lyman dam on the Little Colorado river near St. John, placing it at \$134,000. Sellow is said to oppose the Board's proposition to complete the work by contract instead of by force account.

U. S. ENGINEER OFFICE, 401 Custom House, San Francisco, Cal.—Sealed proposals for furnishing stone for jetty construction at Humboldt Bay, Cal., will be received here until 11 A. M., January 5, 1920, and then opened. Information on application.

IRRIGATION PROJECTS

SAN FRANCISCO.—The following applications have been filed with the State Water Commission, Cal. Bldg., for permits to appropriate water. (Number referred to at end of each paragraph)

is necessary in securing additional information).

The Thomas F. Masterson Estate, Callahan, Siskiyou County, 2½ cubic feet per second from E. Fork Scott River, Siskiyou County, for agricultural purposes on 100 acres. Diversion works: Main ditch about 2 miles long and loose rock and brush dam 2 feet high, 20 feet long on top and 20 feet long at bottom. 1492.

A. A. Beatty and W. F. Beal, Brawley, 15 cubic feet per second from Coyote Creek, San Diego County, for reclamation of arid lands. Diversion works consist of ditch and pipe line 3½ miles long, and a dam 7 feet high, 46 ft. x 216 ft. on top and 46 ft. x 216 ft. on bottom constructed of loose rock and gravel with wasteway around dam. Estimated cost, \$3500. (This is an application for certificate fixing time of completion of appropriation of water initiated prior to December 19, 1914, under Sec. 1415 Civil Code. It is proposed to complete application of water for proposed use on or before July 1, 1921). 1493.

Jas. William Schielke, Burnt Ranch, Trinity County, 40 cubic feet per second from New River, Trinity County, tributary to Trinity River for hydraulic mining purposes. Water is to be diverted by means of a flume 1¼ miles long, 22' high, 68' long on top and 42' long at bottom constructed of timber. Estimated cost of proposed works \$10,000. 1495.

J. B. High and J. W. Schmitz, for proposed Madera Irrigation District, Madera, 250 cubic feet per second direct diversion and 150,000 acre feet per annum to be stored of waters of Fresno River, Madera County, for irrigation of land in proposed Madera Irrigation District. Applicant allowed to February 1, 1920, to file maps. 1496.

Lloyd McAulay, Crows Landing, 500 cubic feet per second from San Joaquin River, Fresno, Merced and Stanislaus Counties, for irrigation of proposed district to be organized under the "Wright Law." Applicant allowed to January 1, 1920, to file maps. 1500.

Leslie H. and Nora G. Silvester, Glenburn, Shasta County, 3 cubic feet per second of waters of Fall River, Shasta County, tributary of Pitt River, for irrigation of 88 acres. 1503.

Egbert J. Gates, South Pasadena, 125 cubic feet per second from San Antonio River, Calaveras County, tributary of Calaveras River, for placer mining and milling purposes. Amount of water to be stored 10,000 acre feet. Water is to be diverted by means of "Frisco Ditch." Applicant allowed to May 1, 1920, to complete application. 1506.

Egbert J. Gates, South Pasadena, 100,000 acre feet per annum of waters of South Fork Calaveras River and its tributaries, in Calaveras County, tributary to Calaveras River, for irrigation of 50,000 acres. Amount of water to be stored 100,000 acre feet. Applicant allowed to May 1, 1920, to file maps. 1507.

R. G. McDonald, Mina, Nevada, 300 cubic feet per second from West Walker River, Mono County, tributary to Walker River, for generation of electric power. Amount of water to be stored 75,000 and 20,000 acre feet. Total amount of power to be developed approximately 30,000 T.

H. P. Diversion to be by means of a pipe line about 10 miles long, and a dam 150' and 75' high, 1600' and 600' long on top and 200' and 200' long at bottom, with either multiple arches or earth fill gravity type. Two reservoirs contemplated, one at Pickle Meadows and one at highway bridge to store water from East Branch. Estimated cost proposed work \$4,500,000. Applicant allowed to December 15, 1919, to file maps. 1508.

Scott McArthur, McArthur, Shasta County, 200 cubic feet per second from E. Fork of Tule River, Shasta County, tributary of Fall River, for generation of power. Total amount of power to be developed 1363 T. H. P. Diversion works consist of a main canal 4 miles long with timber headgate with clear opening 42' wide x 6' deep, controlled by horizontal flashboards supported by horizontal flashboards supported on timber vents. Estimated cost of proposed works \$75,000. Applicant allowed 60 days from December 14, 1919, to file maps. 1510.

Scott McArthur, McArthur, Shasta County, 100 cubic feet per second from Tule River, Shasta County, tributary of Fall River, for irrigation of 8,000 acres. Diversion works consist of main canal 4½ miles long with timber headgate with a single opening 25 feet wide, 8' deep, controlled by "Vertical" flashboards. Estimated cost of proposed works \$160,000. 1511.

F. G. Athearn, Berkeley, for proposed Medano Irrigation District, 60,000 acre feet per annum for Chowchilla River, in Madera, Mariposa and Merced Counties, tributary to San Joaquin River, for agricultural purposes on 13,560 acres. Total amount of water to be stored 60,000 acre feet. Water is to be diverted into a ditch 3.18 miles long over a concrete dam 15' high, 317' long on top and 40' long at bottom, with wasteway over dam. Estimated cost of proposed works \$400,000. Applicant allowed 60 days from November 14, 1919, to file maps. 1513.

Luther Hill, Independence, 1125 cubic feet per second from Sawmill Creek, Inyo County, tributary of Owens River, for generating electric power. Total amount of power to be developed 424 T. H. P. Diversion works consist of a pipe line 0.5 miles long and a concrete dam 6' high, 12' long on top and 6' long at bottom. Estimated cost of proposed works \$20,000. Applicant allowed 60 days from November 20, 1919, to file maps. 1517.

Finnell Land Co., San Francisco, 50 cubic feet per second from Elder Creek, Tehama County, tributary of Sacramento River, for irrigation of 2000 acres. Diversion to be by means of main ditch 2 miles long and a dam 4' high, 125' long on top and 100' long at bottom. Estimated cost of proposed works \$15,000. Applicant allowed 90 days from November 20, 1919, to file maps. 1521.

George Swanson, Sacramento, 45 cubic feet per second from Sacramento River, Yolo County, for agricultural purposes on 2500 acres. Water will be diverted by means of a main ditch 3 miles long and a 24 inch centrifugal pump. Estimated cost of proposed works \$20,000. Applicant allowed 30 days from November 19, 1919, to file maps. 1524.

U. M. Wooster, San Francisco, 150,000 to 200,000 acre ft. to be impounded or waters of Putah Creek, Lake, Napa and Sonoma Counties, tributary to Sacramento River, for irrigation of 50,000 acres. Application incomplete and applicant allowed 60 days from November 21, 1919, to file maps. 1530.

R. V. Melkie, for Turlock Irrigation District, Turlock, 4000 cubic feet per second from Tuolumne River, Tuolumne Co., for power purposes. Total amount of power to be developed 45,000 T. H. P. Amount of water to be stored 600,000 acre feet. Diversion works consist of concrete dam 253' high, 930' long on top and 100' long at bottom. Estimated cost of proposed works \$1,000,000. 1532.

J. F. Baker, Marysville, 2.5 cubic feet per second from Indian Creek, Plumas County, tributary of N. Fork of Feather River, for placer mining and mill purposes. Diversion works consist of ditch 2 miles long and an earth and rock fill dam 4' high, 25' long on top and 20' long at bottom. 1536.

TRACY, San Joaquin Co., Cal.—Steps are being taken by the Directors of the West Side Irrigation District for the inclusion of about 4000 acres of land lying above and south of the present district.

FALON, Nevada.—Preparations for an election to vote on the question of forming the Fallon Drainage District are being made here. J. F. Richardson, manager of the Newlands' Reclamation Project, is interested in the work.

WILLOWS, Gelnu Co., Cal.—T. W. Harlan and Thomas Sayer, Willows, have been awarded a contract by the Mallon and Belvins Irrigation District for building the main canal and laterals of the project which will water 10,000 acres of land in the vicinity of Willams, Colusa County.

The water will be pumped from the Sacramento River at Grimes.

MADERA, Madera Co., Cal.—The Board of Supervisors has set January 2nd, 1920, as the date to decide the question of forming the proposed Madera Irrigation District. The Board has allowed all petitions for inclusion of acreage into the district, amounting to 40,000 acres. This will increase the size of the proposed district to over 350,000 acres. The land included is mostly in the Chowchilla district, with 18 sections in Merced county.

BYRON, Contra Costa Co., Cal.—The election held to decide whether the 18,000-acre Bryon-Bethany Irrigation District should be organized under the Bridgford act, carried.

Water for the great project is to be taken from Italian canal, a few miles southeast of the town of Byron.

LIGHTING SYSTEMS

VALE, Ore.—January 13th is the date set to vote bonds of \$350,000 for the completion of the Warm Springs Irrigation Project.

The installation of a number of pumping plants, several miles of additional lateral canals, the purchase

of lands under the reservoir and the many finishing touches of getting the project into working order must yet be paid for.

MACHINERY

SAN JOSE, Santa Clara Co., Cal.—Bids will be received by Henry A. Pfister, County Clerk, up to January 5th, 10 A. M., for the purchase of two Kelly-Springfield Steam Road Rollers to be sold at public auction on terms 10% cash, balance on delivery.

STREET MACHINERY BIDS WANTED

RENO, Nevada.—Bids will be received by City Clerk Burke for the purchase of a traveling concrete mixer of 12 cu. ft. capacity, f. o. b. Reno.

On January 12th, 8 P. M., bids will be received by City Clerk Burke for the purchase of a traveling concrete mixer of 12 cu. ft. capacity, f. o. b. Reno.

PHOENIX, Ariz.—Until 10 A. M., December 31, bids will be received by the City Clerk for one motor driven street sweeper equipped with 4 flushing nozzles, 2 sprinkling nozzles, auxiliary engine and centrifugal pump in accordance with specifications on file at the office of the Superintendent of Streets. Certified check for 5% required. V. A. Thompson, City Manager.

CRESCENT CITY, Del Norte Co., Cal.—The County Supervisors, J. L. Lenz, County Clerk, have authorized the purchase of a Duplex truck from Bruce M. Aurandt for use on the county highways. The truck will cost \$1,800.

SEWERS, STREET WORK, ROADS AND WATER SYSTEMS

RIVERSIDE, Riverside Co., Cal.—The County Supervisors are calling for bids for the construction of about 1 1/4 miles of oil macadam road 5 inches thick and 9 feet wide, with turnouts every 500 ft., at Indio. A. C. Fulmor, County Surveyor.

A resolution of intention has been adopted to construct about 12 1/2 miles of concrete road from Thermal to Mecca making a connection with the State highway. Bids will be called for on this work early in the new year.

STOCKTON, San Joaquin Co., Cal.—The State Railroad Commission has granted permission to the San Joaquin County Supervisors to construct a public crossing over the tracks of the Santa Fe, about a mile and a half NW of Escalon.

SANTA ROSA, Sonoma Co., Cal.—Bids for the construction of a portion of the county road known as the Petaluma-Sonoma highway, 7.20 miles in length have been taken under advisement by the County Supervisors until a report from the County Engineer is received. W. W. Felt Jr., is County Clerk.

RENO, Nevada.—The City Commissioners have rejected the petition of property owners asking the extension of Sierra street from First street to

the Truckee River as it would necessitate an expenditure of approximately \$66,000.

MARTINEZ, Contra Costa Co., Cal.—The County Supervisors have awarded the following contracts for furnishing and delivering materials for use on the county highway system:

California Building Material Co., 38,237 tons sand and 54,491 tons gravel, \$78,818.80.

Blake Bros., 19,655 tons rock, \$19,655.
Natomas Co., 10,000 tons rock, \$10,000.

SAN DIEGO, San Diego Co., Cal.—R. M. Morton, Chief Engineer of the Sacramento County Highway Commission, has been chosen to build the new highway system of San Diego, funds for which were made available under the recently voted bond issue of \$2,500,000.

The highways will be 18 feet wide and of concrete 6 inches thick.

HANFORD, Kings Co., Cal.—A petition has been received by the County Supervisors asking the improvement of the Stringtown road, a pioneer thoroughfare in Wings County. The matter was referred to Supervisor Johnson of that district for report.

EUREKA, Humboldt Co., Cal.—The County Supervisors have rejected bids received for the construction of 3.5 miles of the Lord-Ellis road as being too high.

John McIntire and Charles Marsh bid \$11,230 on the section of 2.81 miles from the Bald Mountain-Hoopa road to Green Point, and G. M. Moore bid \$17,575 on the same section plus a section along the Hoopa road, making 3.9 together.

It is probable that new bids will be taken for the work. J. P. Wunderlich is City Clerk.

WILLOWS, Glenn Co., Cal.—A joint committee of the Willows Chamber of Commerce and the Butte City District Club has been appointed to confer with the Oroville Chamber of Commerce and arrange for a joint meeting of the three organizations in behalf of the early completion of the Willows-Oroville highway.

DECOTO, Alameda Co., Cal.—The Railroad Commission has authorized the Citizens Water Company of Niles to issue \$10,000 of stock and borrow \$5,000 from the Bank of Centerville, the funds to be expended in extending the Niles water system into the town of Decoto.

SANTA CRUZ, Santa Cruz Co., Cal.—The City Council has passed resolution providing for the draining of the Morrissey-Laveaga district and for the construction of a 6-inch sewer in Fourth avenue. S. A. Evans is City Clerk.

PHOENIX, Ariz.—Until 2 P. M., January 12, bids will be received by the Maricopa County highway commission, No. 5 N. Seventeenth Ave., for constructing 278 miles of highways the authorized road program of the county. Plans and specifications of the different projects may be obtained from the highway commission on payment of \$5. Specifications include roads of cement, concrete, asphaltic concrete, and

crushed rock with asphaltic concrete. Certified check for 5% required. A. F. Jones, Secretary. R. C. Perkins, highway engineer.

COALINGA, Fresno Co., Cal.—The City Trustees have awarded a contract to J. C. Cheney and W. J. Ochs of Coalinga on a cost plus basis for paving Elm avenue extension, the estimated cost of which is \$10,200. The contractors will receive \$1,050 on completion of the work.

The following bids were received for the work:

J. G. Donovan, Los Angeles.....\$13,457
J. H. Vaughn, Hanford.....\$2226
Claude T. Walker is City Clerk.

ELSINORE, Riverside Co., Cal.—Paul E. Kressley, Newport Beach, consulting engineer, has been retained by the City Trustees to prepare plans and specifications and supervise the paving of city streets at an estimated cost of about \$50,000. A 5-in. concrete pavement not less than 18 ft. wide, will be laid on portions of Main and Spring Sts., and Sumner and Graham Aves. between the north and west city limits.

NAPA, Napa Co., Cal.—The Napa City Council has called a special meeting to consider the raising of funds for paving the State Highway across the city.

The paving of from twelve to fourteen blocks of thoroughfares in the city would be required to connect with the pavement built by the State to the southern and northern city limits.

MERCED, Merced Co., Cal.—The County Supervisors have instructed A. E. Cowell, County Highway Engineer, to prepare plans and specifications for paving a portion of Third street and a portion of C street in the Town of Livingston. P. J. Thornton is County Clerk.

MODESTO, Stanislaus Co., Cal.—The Standard Paving Co., Modesto, has been awarded a contract by the Board of Education, Kathleen G. Prewhett, Secretary, for paving H street fronting the High School site, they being the only bidder at 18 1/2 cents per square foot.

FRESNO, Fresno Co., Cal.—The City Council, Chas. Dillon, City Clerk, has passed resolutions of intention providing for the improvement of Merced street from the SW line of "G" street to the SW line of "H" street by grading; constructing cement concrete gutters and curbs; corrugated metal culverts with manhole and connection with storms sewer; artificial stone sidewalks and paving with a 4-inch cement concrete base and a Warrenite-Bitulithic wearing surface 1 1/2 inches thick.

A resolution has also been passed for similar improvements in Kern street from the NE line of "G" street to the SW line of "H" street.

SANTA ROSA, Sonoma Co., Cal.—Bids received by the County Supervisors for the construction of the Occidental road and for construction of Section B of the Petaluma-Sonoma road have been rejected as being too high.

W. W. Felt Jr., is County Clerk and Lloyd Aldrich, County Engineer.

SAN BRUNO, San Mateo Co., Cal.—The City Trustees have declared their intention of providing a municipal water supply for the city.

SACRAMENTO, Cal.—Rights-of-way have been secured by the City Commissioners, M. J. Desmond, City Clerk, for the main lateral of the sewer in the district north and south of Folsom boulevard from Thirteenth to Forty-fourth street.

SAN LUIS OBISPO, San Luis Obispo Co., Cal.—Two bids were received by the County Supervisors for furnishing labor and materials for erecting fences along the Cholame Lateral have been rejected and the work ordered done by day labor. The bids were:

Theo. M. Maino, labor and materials, \$62,688.50.

John Jensen, labor only, \$2,300.

SANTA ROSA, Sonoma Co., Cal.—Bids will be received up to January 14th, 12 M., by County Clerk W. W. Felt, Jr., for furnishing and delivering to the County of Sonoma 41,050 barrels, more or less, cement which shall conform to the standard specifications for Portland cement, f. o. b. Petaluma. Certified check of \$2,500 must accompany each bid and to be made payable to Chairman of the Board of Supervisors.

Separate bids will be received on the same date at 1:30 P. M., for 100 feet of 12", 100 feet of 15", 300 feet of 18", 400 feet of 24", 200 feet of 30" and 100 feet of 36" Standard Corrugated Metal Culvert Pipe, to have reinforced ends, and in lengths of approximately 28 feet, and to be delivered f. o. b. Petaluma, in quantities as required.

Certified check of 10% payable to Chairman of the Board of Supervisors must accompany each bid.

LOS ANGELES, Los Angeles Co., Cal.—Geo. H. Oswald, O. T. Johnson Bldg., submitted the lowest bid at approximately \$14,270 for paving Maple Ave. between Jefferson St. and Woodlawn Ave. in Maple Ave. and Woodlawn Ave. Improvement District.

GRIDLEY, Butte Co., Cal.—The Railroad Commission is considering the question of the Sutter Butte Canal Company, operating at Gridley and Biggs, whether or not it shall make extensions to its Crocker lateral and charge the cost against those directly benefited by the extension or assess the entire district. A decision is expected December 22nd.

TOMBSTONE, Ariz.—Until 2 P. M., January 19, 1920, bids will be received by Thomas Maddock, State Engineer, at the office of the Cochise County Board of Supervisors, Tombstone, for constructing Section D of the Benson-Vail highway extending eastward from the west line of Cochise County, approximately 4 miles. The contract will involve approximately 12,000 cu. yds. excavation and incidental drainage structures. Plans may be obtained from the state engineer's office at Phoenix on deposit of \$5. Certified check for 5% required.

LOS ANGELES, Los Angeles Co., Cal.—John Balch, 696 Twelfth St., San Pedro, was awarded the contract on

December 16 for constructing clay pipe sewers in Gulf avenue between B and Anaheim streets, and other streets in the Gulf Avenue Sewer District, Wilmington, on his bid of \$232,560.18.

MARTINEZ, Contra Costa Co., Cal.—Up to January 5th, 11 A. M., bids will be received by J. H. Wells, County Clerk, for furnishing to the County of Contra Costa, hydraulic Portland Cement, for use on the county highway system.

Bids will be received by County Clerk Wells up to January 20th, 1920, 11 A. M., for furnishing to the County of Contra Costa, corrugated iron culvert pipe.

The following awards have been made by the Advisory Board of the Department of Engineering on December 15, 1919:

To Wright & Doran, San Diego, Cal.

For the construction of a section of State highway in the county of San Diego, Division VII, Route 12, Section F (Between Casbere Ranch and Tecate Divide) about 13.8 miles. Contract price, \$168,267.

Engineer's Estimate, \$194,157.

To M. D. Goodbody, San Diego, Cal.

For the construction of a section of State highway in San Diego county, Division VII, Route 12, Section E, (Between Pine Valley and Casbere Ranch) about 6.6 miles. Contract Price, \$55,827.

Engineer's Estimate, \$65,060.45.

To Palmer & McBryde, San Francisco, Cal.

For the construction of a section of State highway in Del Norte County, Division I, Route 1, Section B, (Between Cushion Creek and Crescent City) about 4 miles. Contract price, \$49,037.

Engineer's Estimate, \$32,537.

GRIDLEY, Butte Co., Cal.—Bids will be received up to January 5th, 8 P. M., by City Clerk James Ownby for the improvement of several streets provided for under Resolution of Intention No. 234. Work will consist of paving from curb to curb with a Portland cement concrete base 4 inches thick and a Warrenite bituthic wearing surface, 1½ inches thick; cement concrete curbs and gutters; corrugated iron and cement pipe culverts; monument boxes, etc.

Certified check of 10% payable to City of Gridley must accompany each bid.

SALINAS, Monterey Co., Cal.—The Mayor's Advisory Committee at the last meeting of the City Council reported that the reclamation ditch bridge was in good condition, but suggested that a concrete box culvert, 75 feet in length be built at a cost of about \$6,000. The City Engineer was directed to investigate the recommendation.

Reports were read regarding the proposed storm water and sanitary sewer system. It is planned to drain the storm waters through Alisal slough, through the reclamation ditch along the Pajaro valley railroad and out through Main street. The City Engineer was instructed to gather further information regarding this work and submit a report.

LOS ANGELES, Los Angeles Co., Cal.—Geo. R. Curtis, 2410 E. Twenty-sixth

St., submitted the lowest bid at approximately \$139,200 for paving and constructing storm and sanitary sewers in Temple street between Vermont avenue and Wilton Place and portions of other streets in Temple Street Improvement District. His bid is about \$2000 under that of Fairchild-Gilmer-Wilton Co., the next lowest bidder. Other bidders were: Los Angeles Paving Co. and Bryant & Austin, Inc.

NAPA, Napa Co., Cal.—The Pratt Building Material Co., Hearst Bldg., San Francisco, has been awarded a contract by the County Supervisors for furnishing and delivering sand to be used in county highway construction, the bid being \$34,000.

SACRAMENTO, Cal.—Plans for the improvement of several streets are being outlined by the City Street Department. The early improvement of K street from Twenty-first to Twenty-eighth, Q from Tenth to Twenty-eighth and the latter street from R to Y.

BAKERSFIELD, Kern Co., Cal.—Rogers Bros. Co., 350 Merriek St., Los Angeles, submitted the lowest bid at \$369,000 and was awarded the contract for constructing a concrete pavement 6 inches thick and 15 feet wide from Fellows to McKittrick, 10,683 miles, involving 29,231 cu. yds. excavation; 5,409 lin. ft. shaping roadbed; 1,029,209 sq. ft. 6-in. concrete paving; 258.5 ft. 12-in.; 131 ft. 18-inch galvanized corrugated iron culverts; 91 cu. yds. concrete end walls for culverts and retaining wall, and 2187 lbs. reinforcing steel. Engineer's estimate, \$529,999.13. Paul E. Kressley, Engineer.

NAPA, Napa Co., Cal.—Bids will be received by James A. Daly, County Clerk, up to December 30th, 10:30 A. M., for unloading sand from the cars at siding of the Southern Pacific Company at points designated in the specifications.

Separate bids will be received on the same date for spreading the gravel on three miles of road known as the Back Road on the easterly side of Napa Valley, from points between Yountville and Rutherford.

Certified check of 10% must accompany each bid.

UPLAND, San Bernardino Co., Cal.—The City Trustees on December 8 adopted a resolution of intention to improve Euclid avenue between Tenth and Twenty-fourth streets, by paving the east roadway with 4-in. concrete 30 ft. wide, surfacing the west roadway with ½-in. oil and rock screenings, grading the park space in center of street and constructing cement curb and concrete culverts. Work will be done under Improvement Act of 1911. A contract for this improvement was recently awarded to W. C. Cline of Upland, at \$96,465, but an error in the proceedings made it necessary to cancel the contract. F. C. Froedhe, City Engineer.

LOS ANGELES, Los Angeles Co., Cal.—D. L. Gaskill, 236 Hermosa Ave., Long Beach, submitted the lowest bid at \$114,730 for grading roadways and constructing 53x12-in. cement curb and 3½-in. by 3 and 5 ft. walks and 5-in.

by 3 and 5 ft. walks in 8.5 miles of streets in Graham, known as Road District Improvement No. 161. The work includes 19,200 cu. yds. excavation; 85,450 ft. cement curb; 438,100 sq. ft. cement walks. Other bids received by the Board of Supervisors were: E. Schelling, \$127,000; Chas. D. Soteras, \$133,400, and Tryon & Brain, \$134,497. The bids were referred to the County Road Department.

NAPA, Napa Co., Cal.—The County Supervisors have received a petition asking that a new road be built across the creek connecting up the Union Station road with the Browns Valley road at a point near the Ornduff property near Napa.

The work will require the construction of a bridge. County Engineer Ball has been instructed to submit estimates for the proposed improvements.

NAPA, Napa Co., Cal.—Bids will be received up to December 30th, 10:30 A. M., by County Clerk James A. Daly, for the construction of a concrete spillway for protection of sidewalk between Napa and the Napa State Hospital. Certified Check of 10% must accompany each bid.

SANTA ROSA, Sonoma Co., Cal.—The City Council has ordered the construction of cement sidewalks along the entire length of West Eighth Street from the Northwestern Pacific Railway tracks on both sides of the streets to the city limits at Hudspeth street and Bosley street from Barnett avenue to Sebastopol avenue.

The Council has approved plans and adopted a resolution of intention providing for the paving of Humboldt street from Johnson to Benton and Tenth street from Mendocino to B street.

BAY POINT, Contra Costa Co., Cal.—The Bay Point and Clayton Railroad has been authorized by the Railroad Commission to construct an overhead crossing over a county highway near Bay Point.

SAN RAFAEL, Marin Co., Cal.—Petitions have been received by the City Council from residents in the Picnic Valley District asking the construction of cement concrete sidewalks in Woodland and Linden Lanes. The matter has been referred to the City Engineer for report.

LONG BEACH, Los Angeles Co., Cal.—Fairchild-Gilmore-Wilton Co., Pacific Electric Bldg., Los Angeles, was awarded the contract at \$27,957.55 for paving Magnolia avenue between Fourth and Tenth streets, involving 112,935 sq. ft. 4-in. concrete base with 2-in. asphalt surface at 22.4c sq. ft., 82 ft. curb at 59c ft., 165 sq. ft. concrete gutter at 25c ft., 2377 sq. ft. cement sidewalk at 18c ft., and 5 corrugated iron and concrete culverts to cost \$2150. No other bids were received.

SANTA ROSA, Sonoma Co., Cal.—The Supervisors have ordered the purchase of two modern steam shovels to be used in construction of county highways. The shovels will be used in addition to one the Board will rent from the Bellevue-Wilford Drainage District. W. W. Felt Jr., is County Clerk and

Lloyd Aldrich, County Highway Engineer.

SANTA CRUZ, Santa Cruz Co., Cal.—Citizens of Corralitos are contemplating the graveling of roads in their district and will hold a meeting in the near future to discuss the proposition. County Supervisor C. B. Lewis of the Corralitos District is interested in the work.

SAN JOSE, Santa Clara Co., Cal.—County Surveyor Irving L. Ryder has been instructed to prepare preliminary surveys for the proposed Big Basin Road from Long Bridge to the ridge of the Santa Cruz mountains to connect with the State Highway at Carmichael Summit. This work was authorized by the Supervisors last Spring. It is planned to have construction started before March, 1920. Henry A. Pfister is County Clerk.

EL CENTRO, Imperial Co., Cal.—Chairman F. S. Lack of the Imperial Highway Commission states that bids will be taken on three types of paving for the roads to be improved under the \$1,500,000 bond issue—a concrete pavement unsurfaced, concrete base with asphalt surface and asphaltic concrete. J. J. Jessop has been appointed consulting highway engineer by the commission. It is expected bids will be called for soon on several contracts.

CRESCENT CITY, Del Norte Co., Cal.—Antone V. Marciel submitted the only bid to the County Supervisors for clearing the proposed Elk Valley Cross Road right of way at \$2,500. The bid was rejected and the work ordered done by day labor under the supervision of County Engineer G. L. Lewis.

SAN FRANCISCO.—The Board of VALLEJO, Solano Co., Cal.—Following the notification of the State Board of Health that conditions of the Sonoma street must be remedied, the City Council is considering the construction of a septic tank to care for the discharge. Alf. E. Edgcombe is City Clerk.

SEATTLE, Wash.—The Board of Public Works has awarded a contract to Sweeney & Gallucci of Tacoma, for the construction of the Alki District trunk sewer system in 63rd avenue, S. W. and other streets in that vicinity, the bid being \$182,000.

RENO, Nevada.—Bids will be received by the City Clerk up to January 12th, 1920, 6 P. M., for furnishing and delivering a concrete mixer having a capacity of twelve cubic feet, for use in the improvement of streets.

SACRAMENTO, Cal.—The Sacramento Chamber of Commerce and Geo. Maddock, General Manager of the Sutter Basin Company, is urging the construction of eight miles of road, from the Natomas Boulevard to the Sutter Basin District. The proposed road would be an extension of the present Natomas Boulevard, together with two bridges, one across the Feather river and one over the by-pass.

It is estimated that the building of the extension would bring to Sacramento \$12,000,000 worth of business each year.

MODESTO, Stanislaus Co., Cal.—The City Council has instructed City Engineer George H. Freitas to prepare plans and specifications for the proposed 36-inch storm sewer trunk line on either Eleventh or Eighth street. Construction in Eleventh street is favored by the engineer as he declares this is the "valley" of the city.

Construction will be financed from the recent bond issue which provided \$289,000 for improvements. W. O. Thompson is City Clerk.

PORT COSTA, Contra Costa Co., Cal.—The State Railroad Commission has taken under advisement the joint application of the Port Costa Water Company, Port Costa Development Company and Mount Diablo Development Company for authority to borrow from the San Francisco Savings and Loan Society \$100,000 to be used for improving the plant of the Port Costa Water Company.

MARTINEZ, Contra Costa Co., Cal.—The Contra Costa County Supervisors have applied to the State Railroad Commission for an order affecting a separation of grades at a point on the Franklin canyon road, west of Christio station. The county officials ask for authority to construct a subway, claiming that with the completion of the Franklin canyon road as a concrete highway and the consequent increase in traffic, the crossing now in use will prove a menace. The road runs between Martinez and Hercules and is crossed by the tracks of the Santa Fe Railway.

GOLDENDALE, Wash.—E. P. Hinshaw, Construction Engineer for Klickitat County, has completed plans and bids will be called for shortly for the construction of highway project known as the Trout Lake Improvement District No. 3 for which bonds have already been voted. The road will be twenty-five miles long and will cost about \$400,000.

SAN BRUNO, San Mateo Co., Cal.—City Engineer Keesee submitted plans for the proposed water system at the last meeting of the City Trustees and a bond election to finance construction will be called within the next few weeks.

VALLEJO, Solano Co., Cal.—T. D. Kilkenney, City Engineer, has been instructed by the City Council to proceed with the construction of a board sidewalk to connect the causeway with the cement walks in Tennessee street. The walk will be about 530 feet long and eight feet wide and will cost about \$640.

Materials not on hand for construction will be purchased by the Engineer.

LOS ANGELES, Cal.—The Fleming Construction Co. of Pomona, declined to sign the contract for paving 1.01 miles of Cypress Ave. in Road Improvement District No. 142 and the matter was referred by the Board of Supervisors to the County Council for an opinion. The Fleming Company's bid was \$14,500, the county furnishing 1630 bbls. of cement.

PHOENIX, Ariz.—Until 10 A. M. January 14, 1920, bids will be received by V. A. Thompson, City Manager, for furnishing all labor and materials for con-

structing the Verde river gravity water supply for the city of Phoenix, the work to consist of about 32 miles of 36-in. to 38-in. wood, concrete or steel pipe line and a 25,000,000 gallon reinforced concrete circular reservoir. Certified check for 5% required. Plans and specifications may be obtained on deposit of \$10 from, L. D. Hitchcock City Engineer, or Hiram Phillips, Consulting Engineer, 801 International Life Bldg., St. Louis.

MARTINEZ, Contra Costa Co., Cal.—An order has been made by the Railroad Commission authorizing the Port Costa Water Company to borrow \$100,000, the money to be used in constructing a pipe line running westward from Martinez. The line will replace a line that is no longer adequate to meet the needs of the water company's patrons. G. M. McNear is President of the company.

CRESCENT CITY, Del Norte Co., Cal.—G. L. Lewis has been appointed County Engineer by the Board of Supervisors, J. L. Lenz, County Clerk. Lewis will commence work on January 1st and will receive a salary of \$4,000 per year.

LOS ANGELES, Los Angeles Co., Cal.—All bids received by the Board of Supervisors for paving 2 miles of road from Pomona Blvd. south to Orange Grove Ave. in Road Improvement District No. 146, were rejected. Rogers Bros. Co. submitted the lowest bid at \$36,400.

FRESNO, Fresno Co., Cal.—Bids will be received by D. M. Barnwell, County Clerk, up to January 6th for the purchase of \$3,800,000 in county highway bonds, proceeds of the sale to finance the construction of a county highway system.

THE DALLAS, Ore.—The City Council has awarded a contract to Feigensohn & Lindstrum of Portland for the construction of the viaduct in West Sixth street at \$19,093.

GRASS VALLEY, Nevada Co., Cal.—The City Trustees are contemplating the widening of the East Main street paving to the curb on each side of the street including the portion between car track rails.

The construction of a sidewalk fronting the Monahan property on East Main street has been ordered by the Trustees.

SANTA ROSA, Sonoma Co., Cal.—Bids will be received by the Sonoma County Supervisors up to January 12th, 1920, for furnishing and delivering to the County of Sonoma, 41,050 barrels of cement for use on the county highway system.

Bids will also be received on the same date for furnishing and delivering corrugated iron culvert pipe of various amounts and sizes. W. W. Felt Jr., is County Clerk.

FIRE EQUIPMENT

PACIFIC GROVE, Monterey Co., Cal.—Bids received by the City Trustees for furnishing motor fire apparatus have been taken under advisement. Four bids were received for chassis

only and fully equipped trucks, ranging from \$1,800 to \$12,000.

OAKLAND, Cal.—Petitions have been received by the City Council, L. W. Cummings, City Clerk, urging the purchase of motor fire apparatus for the West Oakland section, which is now a large manufacturing center.

OAKLAND, Cal.—The City Council, L. W. Cummings, City Clerk, has adopted an Ordinance authorizing the expenditure of \$5,000 for the purchase of hose for the Fire Department during the fiscal year 1919-1920.

SACRAMENTO, Cal.—Owing to lack of funds the City Commissioners, M. J. Desmond, City Clerk, have rejected bids submitted for furnishing and delivering 1,000 feet of fire hose for use of the Fire Department.

RAILROADS

HONCUT, Yuba Co., Cal.—The Oak Valley Lumber Co., through Wm. Mandery, Director, has announced its intention of erecting a sawmill at Honcut. The proposed plant will have a capacity of from 50,000 to 100,000 feet of lumber daily. The construction of a railroad from Camptonville to Honcut, a distance of about 70 miles is also planned. The company is now operating near Camptonville.

LAKEVIEW, Ore.—The Oregon, California & Eastern Railway Company, known as the Strahorn line, has filed a trust deed in the County Clerk's office naming the Portland Trust Company as trustees. The amount named in the deed is \$10,000,000, and is to be used in the building of railroads from Bend to Klamath Falls and from a connecting point at or near Silver Lake to Lakeview; from a connection at Millikan to Crane, and from a point on that line to Burns.

BUSY YEAR COMING.

Coming events cast their shadows before, and according to the size of the reflection the 1920 year gives promise of being one of the busiest, from a construction or lumber point of view, that has ever been experienced.

The demand for building lumber usually slacks off in November or at least by December and does not pick up again for three or four months; this year an unprecedented demand is continuing into midwinter and this demand, coupled with lack of transportation facilities—generally termed a car shortage—will lap the business over into next year, starting off with a running jump and the probabilities of its continuing on the jump throughout the entire year.—Western Lumberman.

FRENCH REBUILDING COST REPORT FILED.

PARIS.—Louis Loucheur, Minister of Reconstruction, who recently told the Chamber of Deputies that he estimated the cost of restoring devastated regions would be 65,000,000,000 francs, actually figures the amount necessary to be 120,000,000,000 francs, according to the *Matin*.

PATENT VULCANITE ROOFING CO. CONSOLIDATES WITH THE BEAVER BOARD COMPANIES

Through information received from the officials of the Patent Vulcanite Roofing Company we are able to confirm the report of the merging of interests of that concern with the Beaver Board Companies of Buffalo, New York.

The new arrangement means that the Vulcanite Company will have the backing of the strong Beaver Board interests and consequently will be enabled to undertake a large expansion immediately. For some time they have been in an oversold condition and it is planned to make an immediate increase in manufacturing facilities in order to bring production up to sales.

The Patent Vulcanite Roofing Company manufactures plain and ornamental roll roofings, asphalt shingles and other roofing products, and is regarded as one of the foremost roofing manufacturers in the United States. They maintain nine district sales offices, six factories and forty-three warehouses, and their connection with the Beaver Board Companies who are manufacturers of the well-known "Beaver Board" means an organization of exceptional possibilities.

The Beaver Board Companies recently absorbed the Tonawanda Board and Paper Company of Tonawanda, New York, and they operate a huge tract of timber land in Northern Canada, with mills at Thorold, Canada, and finishing plants at Ottawa, Canada, and Buffalo, New York.

We understand that Mr. Glendinning, the founder and President of the Vulcanite Company will retire from active management of the business, but will still retain a large financial interest in it; otherwise the Vulcanite organization is to remain unchanged and the business will continue to be operated as a separate corporation under its present charter.

"GOOD ROADS" MOVEMENT IN CHILE.

American Paving Composition Used.

During the war the shortage of ships compelled agricultural development in Chile which has had a direct bearing on recent agitation for improvement of highways. This subject will receive the special attention of the National Congress and the agricultural organizations during the coming year. American paving composition has been used with favorable results in Antofagasta; therefore the same material is now being employed in the repaving of the road between Valparaiso and Vina del Mar, one of the most traveled in Chile. The name of the Chilean concern which has this contract and which presumably will have others of a similar nature may be obtained by referring to file No. L. A. 20.

PLAN CITY OWNERSHIP.

NEW YORK, N. Y.—Heads of several Greater New York traction corporations and city officials are working on a plan whereby this city will take over all its transportation lines.

A tentative plan has been referred to the directors of the several companies for their approval.

CONTRACTS AWARDED

Liens, Acceptances, Etc.

BUILDING CONTRACTS

San Francisco County			
No.	Owner	Contractor	Amt.
7229	Baker	Baker	850
7230	Leonard	Owner	1000
7231	Zellerbach	Hahn	1800
7232	Raymond	Owner	3000
7233	Schmiedell Est	Owner	800
7234	Dunham	Fennell	2000
7235	Habeck	Mercer	950
7236	Lagomarsino	Owner	12000
7237	Hansen	Owner	6000
7238	Saroni	Bienfeld	675
7239	Thielsen	Horstmeyer	800
7240	Hazeltine	Owner	800
7241	Vecchio	Debenedetti	500
7242	Heyman	Owner	800
7243	Hall	Owner	3000
7244	Johnson	Johnson	700
7245	Balfour	Musto	42156
7246	Same	Fuller	19602
7247	Same	Fordeier	8750
7248	Same	Neal	17500
7249	Mendel	Knowles	28605
7250	Wright	Jensen	5200
7251	Rossette	Owner	3000
7252	McKay	Owner	1200
7253	Johnson	Owner	5000
7254	Buck	Owner	850
7255	McKee	Buck	19990
7256	Fagon	Duncan	1850
7257	Crane	Owner	500
7258	McCarthy	Arnott	8100
7259	Ruggles	De Luca	14000
7260	S. F. Dairy	Britt	5000
7261	Stevens	Owner	7000
7262	Klopstock	Malloch	2000
7263	Aranson	Owner	20000
7264	Waterhouse	Forst	2337
7265	Schoenberg	White	5183
7266	Lovell	Duncan	35308
7267	Same	Snook	1830
7268	Same	Titile	150
7269	Same	MacGruder	1817
7270	Same	Wagner	912
7271	Same	Canley	620
7272	Same	Fire	6000
7273	Same	Fuller	1910
7274	Same	Fordeier	1069
7275	Uhl	Uhl	4000
7276	Hartel	Merritt	1000
7277	Ellery	Merritt	550
7278	Witsehig	Merritt	600
7279	Clario	Owner	1000
7280	Fallo	Owner	600
7281	Mayerston	Todhunter	500
7282	Battalini	Owner	3000
7283	Bitt	Rogers	6000
7284	Wiese	Diesel	4000
7286	Wright	Jensen	5265
7287	Kingwell	Kingwell	6800
7288	Same	Same	6900
7289	Same	Same	6900
7290	Same	Same	6900
7291	Anronson	Spargo	14395
7292	Uhl	Uhl	6000
7292	Clancy	Clancy	4000
7293	Sarantitis	S F Oven	5000
7294	Henrikson	Owner	3000

(7229) S BRYANT 80 E GIBERT. One-story frame private garage.
Owner—Mrs. R. T. Baker, 871 Bryant, San Francisco.
Architect—None.
COST, \$850

(7230) W ENTRADA 530 and 538 SW Ilarcia. Two one-story and basement frame dwellings.
Owner—Joseph A. Leonard, 90 Cedar Ave., San Francisco.
Architect—Owner.
COST, \$5000 each

(7231) NW GEARY AND FIRST AVE. General alterations and changes for garage and auto repair shop.
Owner—Zellerbach & Leonard, California Bldg., Polk and Larkin, S. F.
Architect—Jos. W. Rowell, 475 3rd Ave., San Francisco.
Contractor—Theodore S. Hoin, 1739 Washington, San Francisco.
COST, \$18,000

(7232) NO. 3 POTRERO AVE. Repair present cut stone and machinery shed.
Owner—Raymond Granite Co., Premises
Architect—None.
Day's work.
COST, \$3000

(7233) SW POST AND JONES. Alter entertainment rooms into apartments.
Owner—Schmiedell Estate, Hind Bldg., San Francisco.
Architect—N. Blaisdell, 255 California, San Francisco.
Day's work.
COST, \$600

(7234) ALAMEDA, KANSAS & DIVISION. Construct mezzanine floor; install electric work and sprinkler system.
Owner—Dunham, Carrigan & Hayden Co., Premises.
Architect—Leo J. Devlin, Pacific Bldg., San Francisco.
Contractor—Fennell & Chisholm, 180 Jessie, San Francisco.
COST, \$20,000

(7235) NO. 2128 FIFTEENTH ST. Alter for flats.
Owner—F. Habeck, 2132 Market, San Francisco.
Architect—None.
Contractor—D. C. Mercer, 764 De Hara, San Francisco.
COST, \$950

(7236) W MISSION 70 S Ocean Ave. One-story brick garage, 53x100.
Owner—Geo. Lagomarsino, 5571 Mission, San Francisco.
Architect—Paul P. De Martini, 2123 Powell, San Francisco.
COST, \$12,000

(7237) NO. 2780 BROADWAY. Add for tea room and observation room.
Owner—Mrs. M. H. Houser, 2780 Broadway, San Francisco.
Engineer—T. Rosenberg, Crocker Bldg., San Francisco.
COST, \$5000

(7238) SPRUCE AND JACKSON. Build reinforced concrete wall.
Owner—Louis Saroni, Premises.
Architect—None.
Contractor—Dan Bienfeld, 1403 Clement, San Francisco.
COST, \$875

(7239) NO. 425 FELL. Alter for basement garage and alter for two rooms.
Owner—S. J. Thielsen, 537 Steiner, San Francisco.
Architect—None.
Contractor—W. Horstmeyer Co., 31 Ord St., San Francisco.
COST, \$900

(7240) NO. 1260 MASONIC AVE. One-story frame (private) garage.
Owner—Charles Hazeltine, Premises.
Architect—D. J. Patterson, 46 Kearny, San Francisco.
COST, \$800

(7241) NO. 448 MISSION. Alteration for store; remove living rooms in rear, etc.
Owner—Del Vecchio, 4764 Mission, San Francisco.
Architect—None.
Contractor—A. Debenedetti, 20 Cotter, San Francisco.
COST, \$500

(7242) W TWENTY-SECOND 175-200 S Lincoln Way. Two one-story and basement frame dwellings.
Owner—Oscar Heyman & Bro., 742 Market, San Francisco.
Architect—Owner.
Day's work.
COST, \$1000 each

(7243) W EASTWOOD DRIVE 45 S Wildwood. One-story and basement frame dwelling.
Owner—C. A. Hall, 1301 4th Ave., San Francisco.
Architect—None.
Day's work.
COST, \$3000

(7244) NO. 444 HAIGHT. Alter two flats into three apartments.
Owner—Grant T. Johnson, Premises.
Architect—Owner.
COST, \$700

(7245) SE CALIFORNIA & SANSOME S 89x E 129-9 1/2. All work for interior marble and terrazzo for 12-story Class "A" office building.
Owner—The Balfour Guthrie Investment Co., by P. J. Walker Co., Agents, Monks Bldg., S. F.
Architect—Geo. W. Kelham, Sharon Bldg., San Francisco.
Contractor—Joseph Musto, Sons-Keenan Co., 535 North Point, S. F.
Filed Dec. 16, '19. Dated Dec. 5, '19.
On 10th of each month..... 75%
Usual 35 days..... 50%
Bond, \$21,078. Surety, The Fidelity & Casualty Co. Limit, as required. Forfeited, none. Plans and specifications filed.

Contractor—W. P. Fuller & Co., Beale and Mission Sts., San Francisco.
Filed Dec. 16, '19. Dated Nov. 19, '19.
Payments same as above.....
TOTAL COST, \$19,602
Bond, \$9801. Surety, The Fidelity & Casualty Co. Limit, as required. Forfeited, none. Plans and specifications filed.

above.
Contractor—Forderer Cornice Works, 249 Potrero Ave., San Francisco.
Filed Dec. 16, '19. Dated Dec. 9, '19.
Payments same as above.....
TOTAL COST, \$8750
Bond, \$4375. Surety, The Fidelity & Casualty Co. Limit, as required. Forfeited, none. Plans and specifications filed.

Contractor—L. J. Neal, 455 Hayes St., San Francisco.
Filed Dec. 16, '19. Dated Nov. 29, '19.
Payments same as above.....
TOTAL COST, \$17,500
Bond, \$8750. Surety, The Fidelity & Casualty Co. Limit, as required. Forfeited, none. Plans and specifications filed.

(7219) NW ELLIS AND JONES. All work for alterations and additions to Class "C" apartment building.
Owner—Dr. L. C. Mendel, 415 Jones St., San Francisco.
Architect—Geo. Jewett, 75 Post St., San Francisco.
Contractor—A. Knowles, Call Bldg., San Francisco.
Filed Dec. 16, '19. Dated Nov. 5, '19.

Exterior walls up and roof on..... \$7000
Partitions in place and interior plaster completed..... 5338
Completed and accepted..... 7893
Usual 35 days..... 1174
TOTAL COST, \$13,605
Bond, none. Limit, as required. Forfeited, \$10. Plans and specifications filed.
NOTE—Permit reported Nov. 22, 1919, No. 2541.

(7250) N NATOMA 85 W 10th. One-story brick manufacturing Bldg.
Owner—J. W. Wright, 213 Lick Bldg., San Francisco.
Architect—J. R. Miller, Lick Bldg., San Francisco.
Contractor—G. P. W. Jensen, 320 Market, San Francisco.
COST, \$5200

(7251) NE NEWCOMB 125 E Phelps. One-story and basement frame Dwg.
Owner—Edwin S. Rossette, 1485 Church St., San Francisco.
Architect—W. C. Petersen, 610 Fillmore, San Francisco.
COST, \$3000

(7252) N TACOMA 130 W 15th Ave. One-story and basement frame Dwg.
Owner—J. H. McKay, 465 14th Ave., San Francisco.
Architect—None.
COST, \$1200

(7253) E CAPITOL 175-200 N Grafton. Two one-story and basement frame dwellings.

Owner—Nels P. Johnson, 223 Louisville, San Francisco.
Architect—None.

COST, \$2,500 each

(2754) NO. 837 COLE. Alter present residence into two flats.
Owner—Wm. A. Buck, 833 Cole St., San Francisco.
Architect—None.

COST, \$550

(2755) NW TWELFTH and O'Connell. One-story reinforced concrete auto salesroom.
Owner—John Dempster McKee, 661 Phelan Bldg., San Francisco.
Architect—Albert W. Burgen, 661 Phelan Bldg., San Francisco.
Contractor—John E. Beck, Builders' Association, San Francisco.

COST, \$19,990

(2756) NO. 2213 BUCHANAN. Extend breakfast room; carpentry, mill work, plastering, etc., for residence.
Owner—Paul I. Fagon, Premises.
Architect—Nathaniel Blaisdel, 255 California, San Francisco.
Contractor—W. C. Duncan Co., Sharon Bldg., San Francisco.

COST, \$1,950

(2757) SW BRANNAN and 2nd. Erect shed over driveway.
Owner—Crane Co., 301 Brannan, San Francisco.
Architect—A. D. Beall, 203 4th, San Francisco.

COST, \$500

(2758) N BRUCE 100 E Edgar Place; S Bruce 100-125 E Edgar Place. Three one-story and basement frame dwellings.
Owner—McCarthy Co., 316 Bush St., San Francisco.
Architect—None.
Contractor—Jas. Arnott & Son, 2223 19th Ave., San Francisco.

COST, \$2,700 each.

(2759) S POST 136-6 E Van Ness Ave. One-story concrete auto salesroom.
Owner—Mary A. Ruggles, care architect.
Architect—August Headman, 717 New Call Bldg., San Francisco.
Contractor—P. De Luca, 2256 Jones, San Francisco.

COST, \$14,000

(2760) NO. 1553 TURK. One-story frame shed.
Owner—S. F. Dairy Corp., Premises.
Architect—None.
Contractor—C. W. Britt, 1115 Scott, San Francisco.

COST, \$5,000

(2761) E SEVENTEENTH AVE 75 N Fulton. Two-story and basement frame (2) flats.
Owner—A. Stevens, 2507-A Polk St., San Francisco.
Architect—None.
Day's work.

COST, \$7,000

(2762) E CAPP 180 S 17th. New foundations, rat proofing, etc., for two flats.
Owner—Cloppstock Bros., Capp & 18th, San Francisco.
Architect—Mel I. Schwartz, Nevada Bank Bldg., San Francisco.
Contractor—J. S. Malloch, 180 Jessie, San Francisco.

COST, \$2,000

(2763) S EDDY 50 W Jones. One-story concrete auto sales room.
Owner—Nettie Aronson, Merchants' Exchange Bldg., San Francisco.
Architect—Mel I. Schwartz, 1202 Nevada Bank Bldg., San Francisco.

COST, \$20,000

(2764) NW HOWARD 423 NE Second NE 90xNW 165. All work for alterations and additions to building.
Owner—Waterhouse & Lester Co., 540 Howard, San Francisco.
Architect—A. W. Cornelius, Merchants' National Bank Bldg., S. F.
Contractor—Brad H. Vogt, 185 Stevenson, San Francisco.
Filed Dec. 18, '19. Dated Dec. 2, '19. Floor laid and sash put to place around office portion of mezzanine floor 50% of total
Completed & accepted 25% of total
Usual 35 days 25% of total
TOTAL COST, \$23,337
Bond, \$1200. Sureties, Frank Davison and R. T. Phillips. Limit, 20 days.

Forfeit, \$5. Plans and specifications filed.

(2765) N BUSH 137-6 W Taylor W 82-8xN 137-6. Brick work for one-story and basement brick store bldg.
Owner—Pauline Schoenberg, 2010 Pacific Ave., San Francisco.
Architect—Mel I. Schwartz, Nevada Bank Bldg., San Francisco.
Contractor—White & Gloor, Monad Filed Dec. 18, '19. Dated Dec. 16, '19. Brickwork ready for ceiling
Joists \$259.50
Completed and accepted 128.75
Usual 35 days 128.75
TOTAL COST, \$518.3
Bond, \$259.2. Sureties, Forfeit, none. Limit 35 days after notification. No plans or specifications filed.

(2766) SE NINETEENTH and Bryant S 151x E 70. Excavation, concrete, brick, iron, rough carpenter, finish hardware, stairs, composition floors, mill work, etc., for three-story brick factory building.
Owner—Chas. H. Lovell and Union Trust Co., trustee Est. Chas. La-throp, San Francisco.
Architect—Sam Lightner Hyman, Crocker Bldg., San Francisco.
Contractor—W. C. Duncan Co., Sharon Bldg., San Francisco.
Filed Dec. 18, '19. Dated Dec. 1, '19. On 10th of each month 75%
Usual 35 days 75%
TOTAL COST, \$35,308
Bond, \$17,654. Sureties, National Surety Co. Forfeit, none. Limit, 90 days. Plans and specifications filed. Permit reported Dec. 10, 1919, No. 2691.

(2767) PLUMBING WORK ON ABOVE.
Contractor—Fred'k W. Snook Co., 596 Clay, San Francisco.
Filed Dec. 18, '19. Dated Dec. 4, '19. Roughed in \$600
Completed and accepted 600
Usual 35 days 680
TOTAL COST, \$1,280

Bond, \$940. Sureties, New Amsterdam Casualty Co. Forfeit, none. Limit, 20 days after beginning. Plans and specifications filed.

(2768) ELECTRIC WORK ON ABOVE.
Contractor—H. S. Tittle, 166 Folsom, San Francisco.
Filed Dec. 18, '19. Dated Dec. 4, '19. Completed and accepted \$850
Usual 35 days 300
TOTAL COST, \$950
Bond, Sureties, Forfeit, none. Limit, as fast as possible. Plans and specifications filed.

(2769) EXTERIOR AND INTERIOR lighting and plastering and cementing on above.
Contractor—MacGruer & Simpson (a co-partnership), 180 Jessie, S. F.
Filed Dec. 18, '19. Dated Dec. 4, '19. Interior plastering and exterior cornice completed and accepted \$600
Completed and accepted 600
Usual 35 days 617
TOTAL COST, \$1,817
Bond, Sureties, Forfeit, none. Limit, 30 days after commencing. Plans and specifications filed.

PAINTING
(2770) PAINTING ON ABOVE.
Contractor—Fred Wagner, 65 Hoff, San Francisco.

Filed Dec. 18, '19. Dated Dec. 4, '19. Completed and accepted \$600
Usual 35 days 312
TOTAL COST, \$912
Bond, Sureties, Forfeit, none. Limit, as fast as possible. Plans and specifications filed.

(2771) ROOFING ON ABOVE.
Contractor—James Cantley, 110 Jessie, San Francisco.
Filed Dec. 18, '19. Dated Dec. 4, '19. Completed and accepted \$500
Usual 35 days 120
TOTAL COST, \$620
Bond, Sureties, Forfeit, none. Limit, 30 days after roof framed. Plans and specifications filed.

(2772) AUTOMATIC SPRINKLER system, consisting of 12,000 gallon gravity tank elevated on steel tower on above.
Contractor—Fire Protection & Equipment Co., 25 Minna, San Francisco.
Filed Dec. 18, '19. Dated Dec. 4, '19. Materials on ground and work commenced 1/2

Completed and accepted 1/2
Usual 35 days 1/2
TOTAL COST, \$5700
Bond, Sureties, Forfeit, Limit, none.
Plans only filed.

(2773) GLASS AND GLAZING ON ABOVE.
Contractor—W. P. Fuller & Co., Beale and Mission, San Francisco.
Filed Dec. 18, '19. Dated Dec. 4, '19. Completed and accepted \$1500
Usual 35 days 410
TOTAL COST, \$1910
Bond, Sureties, Forfeit, Limit, none.
Plans and specifications filed.

(2774) SE NINETEENTH and BRYANT S 151x E 70. Sheet metal work for three-story brick factory building.
Owner—Chas. H. Lovell and Union Trust Co., Trustee Estate Chas. La-throp, San Francisco.
Architect—Sam Lightner Hyman, Crocker Bldg., San Francisco.
Contractor—Forderer Corne Works, 269 Potrero Ave., San Francisco.
Filed Dec. 18, '19. Dated Dec. 4, '19. Completed and accepted \$800
Usual 35 days 269
TOTAL COST, \$1,069
Bond, Sureties, Forfeit, none. Limit, 30 days after building is roofed in. No plans or specifications filed.

(2775) NO. 255 GEARY. Alterations and additions to balcony on first floor.
Owner—A. Uhl, 38 O'Farrell, San Francisco.
Architect—None.

COST, \$4,000

(2776) NO. 24 BLAKE. Alter for private garage. Cement floor.
Owner—Louis Harlel, Premises.
Architect and Contractor—Geo. W. Merritt, 3015 Geary, San Francisco.

COST, \$1,000

(2777) NW GREEN and Scott. Erect retaining wall.
Owner—Wm. Ellery, 583 Market, San Francisco.
Architect and Contractor—Geo. W. Merritt, 3015 Geary, San Francisco.

COST, \$550

(2778) NO. 849 KEARNY. Install plate glass front.
Owner—G. Witschig, 1468 9th Ave., San Francisco.
Architect and Contractor—Geo. W. Merritt, 3015 Geary, San Francisco.

COST, \$600

(2779) W DE HARO 225 N 22nd. One-story and basement frame dwelling.
Owner—M. Carlo, 246 De Haro, San Francisco.
Architect—None.

COST, \$1,000

(2780) NO. 331 HAYES. Repair fire loss.
Owner—F. A. Fallon, 1907 B, Oak St., San Francisco.
Contractor—Wm. R. Sergursen, San Francisco.

COST, \$600

(2781) NO. 2962 TWENTY-FIRST. Alter for basement garage, cement basement and read yard.
Owner—G. Witschig, 865 Treat Ave., San Francisco.
Architect—None.
Contractor—Geo. C. Todhunter, 442 29th Ave., San Francisco.

COST, \$500

(2782) S GENEVA 100 E Huron. One-story and basement frame dwelling.
Owner—Louis Battalini, 32 Huron Ave., San Francisco.
Architect—None.

COST, \$2,000

(2783) SW CLEMENT and 24th Ave. 5 Alter store for Photo and picture store.
Owner—Peter W. Butt, 3239 Clement, San Francisco.
Architect—None.
Contractor—H. C. Rogers and O. Capelli, 1433 8th Ave., S. F.

COST, \$1760

(2784) NO. 3036 SIXTEENTH. Interior alteration and changes for cafeteria.

Owner—John Wiese, Jr., Premises.
Architect—C. O. Clausen, Hearst Bldg.,
San Francisco.
Contractor—John Diestel, Russ Bldg.,
San Francisco.

COST, \$4000

(2786) N NATOMA 80 W Tenth N 75
— S 75 E 80. All work except paint-
ing, electrical work, glazing, fixtures
and shades for one-story brick build-
ing.

Owner—J. W. Wright, 213 Lick Bldg.,
San Francisco.
Architect—J. R. Miller, Lick Bldg.,
San Francisco.

Contractor—G. F. Jensen, 320 Mar-
ket San Francisco.

Filed Dec. 19, '19. Dated Dec. 17, '19.

Roof boards on \$2500

Completed and accepted 1450

Usual 35 days 1315

TOTAL COST, \$5265

Bond, none. Limit, \$2500. Forfeit,
none. Plans and specifications filed.

Permit reported Dec. 18, 1919. No.

2750.

(2787) W PLYMOUTH AVE 35 N from
N line Lot 7 S 45 S 73 deg 34 min 31
sec W 95.635 N 38 N 68 deg 22 min 57
sec E 95.198 Ptn Lots 4 and 5 Blk
2163, Westwood Park. All work for
one-story and basement frame bungal-
ow and garage.

Owner—John J. Kingwell, 401 Butler
Bldg., San Francisco.

Architect—Chas. F. Strothoff, 2276 15th,
San Francisco.

Contractor—Kingwell Bros., 444 Na-
toma, San Francisco.

Filed Dec. 19, '19. Dated —, '19.

Frame up and enclosed \$1725

Brown coated 1725

Completed and accepted 1725

Usual 35 days 1725

TOTAL COST, \$6900

Bond, \$3450. Sureties, Chas. P. Kingwell
and Chas. E. Taylor. Limit, 90 days.

Forfeit, none. Plans and specifications
filed.

(2788) W PLYMOUTH AVE 25 N from
N line Lot 7 S 45 S 81 deg 13 min 49
sec W 95.968 N 38 N 85 deg 29 min
42 sec E 94.124 Ptn Lots 6 and 7 Blk
3163 Westwood Park. All work for
one-story and basement frame dwell-
ing.

Owner—John J. Kingwell, 401 Butler
Bldg., San Francisco.

Architect—Chas. F. Strothoff, 2276 15th,
San Francisco.

Contractor—Kingwell Bros., 444 Na-
toma, San Francisco.

Filed Dec. 19, '19. Dated Nov. 1, '19.

Frame up and enclosed \$1725

Brown coated 1725

Completed and accepted 1725

Usual 35 days 1725

TOTAL COST, \$6900

Bond, \$3450. Sureties, Chas. P. Kingwell
and Chas. E. Taylor. Limit, 90 days.

Forfeit, none. Plans and specifications
filed.

(2789) W PLYMOUTH AVE 15 N from
N line Lot 9 S 45 S 89 deg 43 min. 49
sec W 15.968 N 38 N 85 deg 29 min.
01 sec E 95.330 Ptn Lots 8 and 9
2163, Westwood Park. All work for
one-story frame dwelling.

Owner—John J. Kingwell, 401 Butler
Bldg., San Francisco.

Architect—Chas. F. Strothoff, 2276 15th,
San Francisco.

Contractor—Kingwell Bros., 444 Na-
toma, San Francisco.

Filed Dec. 19, '19. Dated Nov. 1, '19.

Frame up and enclosed \$1725

Brown coated 1725

Completed and accepted 1725

Usual 35 days 1725

TOTAL COST, \$6900

Bond, \$3450. Sureties, Chas. P. Kingwell
and Chas. E. Taylor. Limit, 90 days.

Forfeit, none. Plans and specifications
filed.

(2790) W PLYMOUTH AVE 4 N from
N line Lot 11 S 42 N 84 deg. 03 min. 51
sec. W 96.729 N 38 N 85 deg. 03 min. 31
sec. E 96.408 Ptn Lots 10 to 12 Blk
3163, Westwood Park. All work for
one-story and basement bungalow
and garage.

Owner—John J. Kingwell, 401 Butler
Bldg., San Francisco.

Architect—Chas. F. Strothoff, 2276 15th,
San Francisco.

Contractor—Kingwell Bros., 444 Na-
toma, San Francisco.

Filed Dec. 19, '19. Dated —, '19.

Frame up and enclosed \$1725

Brown coated 1725

Completed and accepted 1725

Usual 35 days 1725

TOTAL COST, \$6900

Bond, \$3450. Sureties, Chas. P. Kingwell
and Chas. E. Taylor. Limit, 90 days.

Forfeit, none. Plans and specifications
filed.

(2791) S EDDY 50 W Jones W 87-6x
S 100. Concrete work, excavating,
iron and steel, fireproof doors, iron
grates for one-story and basement
concrete building (stores).

Owner—Nettie Aronson, Merchants'
Exchange Bldg., San Francisco.

Architect—Mel I. Schwartz, Nevada
Bldg., San Francisco.

Contractor—John Spargo, 240 Mont-
gomery, San Francisco.

Filed Dec. 19, '19. Dated Dec. 17, '19.

Basement walls and columns
poured \$3598.75

First floor walls poured 3598.75

Completed and accepted 3598.75

Usual 35 days 3598.75

TOTAL COST, \$14,395.00

Bond, \$7198. Sureties, D. J. Sullivan &
P. F. Shortall. Limit, 40 days.

Forfeit, none. Plans and specifications
filed.

Permit reported Dec. 19, 1919. No.

2763.

(2791) NO. 255 GEARY. Erect parti-
tions on 3rd, 4th, 5th and 6th floors.
Owner—A. Uhl, 33 O'Farrell, San Fran-
cisco.

Architect—None.

Day's work. COST, \$6000

(2792) E FIFTEENTH AVE 150 N
Judah. One-story and basement
frame dwelling.

Owner—D. J. Clancy, 2884 Folsom, S. F.

Architect—None.

Day's work. COST, \$4000

(2793) NO. 2200 MISSION. Construct
bake ovens.

Owner—G. J. Sarantitis, 41 Shipley St.,
San Francisco.

Architect—None.

Contractor—San Francisco Oven Co.,
1265 Eddy, San Francisco.

COST, \$5000

(2794) E NAPLES 133 S Athens. One-
story and basement frame residence.

Owner—Albert Henrikson, 2982 25th.

Architect—None.

Day's work. COST, \$3000

COMPLETION NOTICES

San Francisco County

Dec. 13, 1919—N SEVILLE 140 E Cor-
dova Lot 15 Blk 22 Crocker Amazon
Tract. Victor Bjorkman and Vic-
tor Holmgren to whom it may con-
cern Dec. 12, 1919

Dec. 15, 1919—LOT 20, BLK 22, For-
est Hill. Regina Marshall to J.
Prout July 29, 1919

Dec. 15, 1919—SW EIGHTEENTH 225
W Sanchez W 25xN 114. Victor
Bjork to Victor Bjork. Dec. 16, 1919

Dec. 15, 1919—W ELEVENTH AVE
100 N California N 25xW 120. John
and Margaret McVeigh to Rosa
Bros. Dec. 15, 1919

Dec. 15, 1919—S PACIFIC AVE 63
B Scott S 100, E 37-6, N 100, W
100. Remo E. Sbarboro to whom
it may concern Dec. 12, 1919

Dec. 15, 1919—NW ASHBURY and
Grove. A. P. Dunphy to W. J.
Hemmick. Dec. 15, 1919

Dec. 15, 1919—S FILBERT 82-6 E
Jones E 40xS 137-6. Vincent and
Rosa Cancellia to F. Monson.

Dec. 15, 1919—E TWENTY-NINTH
AVE. 212-203 S Lake S 25x E 1-2
W 29th AVE. 352-6 N California N
25x W 140. W 29th AVE. 352-6 N
California N 25xW 120. W 29th AVE.
302-6 N California N 25xW 120. W
29th AVE. 327-6 N California N 25x
W 120. Harry P. Allen to whom
it may concern Dec. 11, 1919

Dec. 16, 1919—W CAPP 100 S 16th S
36x105. Lachman Bros to whom
it may concern Dec. 16, 1919

Dec. 17, 1919—LOT 45, BLK 2, Lake-
view. The McCarthy Co. to James
Arnott & Son. Dec. 17, 1919

Dec. 17, 1919—E TWENTY-THIRD AVE
and Balboa E 32-6xN 100. Ole M.
Oyen and Peter Medbust to whom
it may concern Dec. 16, 1919

Dec. 19, 1919—LOT 17, BLK 26, West
End Map No. 1-166 feet SW of

Santa Ynez Ave. on Delano Ave.
L. Bertain to Bert Ghotto.

Dec. 19, 1919—W TWELFTH AVE. 50
S Stevenson 50 on 12th AVE. No.
42-50 12th. M. L. Marx to Louis J.
Deibel Dec. 17, 1919

Dec. 19, 1919—LOTS 1 TO 5, BLK
B. Mission Terrace, Mission Ter-
race Co. to whom it may concern.

Dec. 15, 1919—Dec. 15, 1919

Dec. 19, 1919—LOT 2, BLK. 3133,
Westwood Park. Hans Nelson to
Nelson Bros. Dec. 19, 1919

Dec. 19, 1919—LOT 26, BLK. 3163,
Katherine C. Kingwell to Jno. J.
Kingwell. Dec. 8, 1919

Dec. 19, 1919—W PLYMOUTH 25-6
S from NE cor. lot 15, N 77 deg.
22 min. 52 sec. W 94-356, N 35-823,
S 79 deg. 01 min. 36 sec. E 95-245,
S 28-454, pin lots 14 and 15, Blk.
3177, Westwood Park. Hans Nel-
son to Nelson Bros. Dec. 18, 1919

BUILDING CONTRACTS

Alameda County

4099	Page	Sea	5000
4100	Danielson	David	575
4101	Root	Hawkins	500
4102	Vaughn	Vaughn	200
4103	Braun	Graft	3900
4104	Marshall	Owner	3500
4105	Nedderman	Sherridan	400
4106	Daivson	Daivson	1000
4107	Excelsior Ldy	Owner	700
4108	Pedronia	Amorosa	4850
4109	Ralleg	Cofor	2000
4110	Clark	Clark	5000
4111	Palmanente	Knowles	5000
4112	Druke	Westlund	7778
4113	McCheaney	Owner	2500
4114	Dewberry	Wendt	6000
4115	Natl. Ice Cream	Owner	800
4116	Hegler	Cofor	4000
4117	Souza	Owner	500
4118	Standeford	Anderson	400
4119	Lindsay	Hienderson	400
4120	Same	Same	400
4121	Same	R. Danielson	300
4122	McCunn	Shrader	453
4123	Burgner	Owner	1000
4124	Delanyo	Randlett	4000
4125	Bose	White	2000
4126	Baldesseri	Wallace	1650
4127	Bunnell	Iddings	425
4128	Wingfield	Rose	500
4129	Pfrang	Pfrang	4000
4130	Fernander	Cal Bldrs.	7900
4131	Armanino	Owner	700
4132	Wagner	Owner	4000
4133	Gallagher	Morton	27187
4134	Bkly Bd Ed	Zelinsky	2675

(4099) S HARVEY AVE 205 and 240
E 55th Ave. Two one-story 5-room
dwellings.

Owner—M. Page, 2040 55th Ave, Okd..

Architect—None.

Contractor—John Sea, 817 Buena Vista
Ave., Alameda.

COST, \$2500 each

(4100) NE PARK BOULEVARD AND
E-26th, Oakland. Garage.

Owner—M. R. Danielson, 40th and
Lowie, Oakland.

Architect—None.

Contractor—W. J. David, 2428 Linden,
Oakland.

COST, \$575

(4101) NO. 2524 LE CONTE AVE.,
Berkeley. Addition.

Owner—M. Ellen Root, Victoria Hotel
San Francisco.

Architect—None.

Contractor—Hawkins & Gilmore, 2129
Stuart, Berkeley.

COST, \$500

(4102) N FOOTHILL BLVD. 280 W
55th Ave., Oakland. One-story five-
room dwelling.

Owner—M. C. Vaughn, 5533 Ayala, Okd.

Architect—None.

Day's work. COST, \$3000

(4103) E FRANKLIN 125 S Eighth,
Oakland. Two-story brick stores and
lofts.

Owner—P. Braun, 1926 Broadway, Okd.

Architect—None.

Contractor—Edwin C. Graft, 1926
Broadway, Oakland.

COST, \$9900

(4104) S KEITH AVE 415 W Broad-
way, Oakland. Two-story 6-room
dwelling.

Owner—J. A. Marshall, 5654 College Ave., Oakland.
Architect—None.
Day's work. COST, \$3500

(4105) NO. 5301 LOCKSLEY AVE., Oakland. Addition.
Owner—J. H. Nedderman, Premises.
Architect—None.
Contractor—Robt. E. Sheridan Co., 351 11th, Oakland.
COST, \$400

(4106) N TRENOR opp. Chevrolet Works, Oakland. One-story 3-room dwelling.
Owner—A. E. Davidson, Oakland.
Architect—None.
Day's work. COST, \$1000

(4107) E WEST 70 N 21st, Oakland. Rest room.
Owner—Excelsior Laundry, Premises.
Architect—None.
Day's work. COST, \$700

(4108) W MYRTLE bet. 5th and 7th, being No. 541. Alter dwelling to apartments except plumbing, gas electric fixtures, finish hardware and window shades.
Owner—Jueñez Pedronia, Architect—None.
Contractor—F. C. Amoroso, 1336 Kearny, San Francisco.
Filed Dec. 16, '19. Dated Dec. 15, '19.
Frame up 1/4
Plastered 1/4
Completed and accepted 1/4
Usual 35 days 1/4
BOND, SURETIES, FORFEIT, none. Limit, 90 days. No plans or specifications filed.

(4109) N RAMONA AVE 133 W Moraga Oakland. One-story 4-room dwlg.
Owner—M. P. Raileigh.
Architect—None.
Contractor—J. E. Cofer, Federal Bldg., Oakland.
COST, \$2000

(4110) E THIRTY-SEVENTH AVE. 160 N E-14th, Oakland. Alter dwelling into apartments.
Owner—O. R. Clark, 2449 E-22nd St., Oakland.
Architect—None.
Day's work. COST, \$2000

(4111) NO. 669 OKLAND AVE., Oakland. Alter dwelling.
Owner—Mrs. E. K. Palmanteen, 1448 Madison St., Oakland.
Architect—Wm. Knowles, Central Bank Bldg., Oakland.
COST, \$5000

(4112) N LAKESHORE AVE 100 E Spring Ave., Oakland. Two-story 8-room dwelling.
Owner—E. C. Druke.
Architect—Shirmer Bugbee & Co., Thayer Bldg., Oakland.
Contractor—Fred J. Westlund, 2207 10th Ave., Oakland.
COST, \$7778

(4113) SE PARK BLVD. and SAN Luis Ave., Oakland. One-story five-room dwelling.
Owner—W. E. McChesney, 1315 San Luis Ave., Oakland.
Architect—None.
Day's work. COST, \$3500

(4114) NE CANNING and SIXTIETH and N Sixtieth 50 E Canning, Oakland. Two-story 4-room dwellings.
Owner—W. H. Dewberry.
Architect—None.
Contractor—G. H. Wendt, 1st National Bank, Emeryville.
COST, \$3000 each

(4115) N THIRD 100 W Cypress, Oakland. One-story tile boiler house and one-story, storage shed.
Owner—National Ice Cream Co.
Architect—None.
Day's work. COST, \$3800

(4116) E STANNAGE 390 and 320 N Hopkins, Oakland. Two-story four-room dwelling.
Owner—E. C. Hegler, 701 Taylor St., San Francisco.
Architect—None.
Contractor—J. E. Cofer, 2021 Franklin St., Oakland.
COST, \$2000 each

(4117) NO. 2614 E-ELEVENTH ST., Oakland. Tank frame.
Owner—Jess Souza, Premises.
Architect—None.
Day's work. COST, \$500

(4118) NW FIRST & WASHINGTON, Oakland. Fire repairs.
Owner—Burnham Standeford Co., Premises.
Architect—None.
Contractor—A. H. Anderson, 1438 Hopkins, Oakland.
COST, \$400

(4119) NO. 912 FIFTY-SECOND AVE., Oakland. Alterations.
Owner—F. C. Lindsay.
Architect—None.
Contractor—H. E. Henderson, 3773 Broadway, Oakland.
COST, \$400

(4120) W FIFTY-FOURTH AVE 250 S E-10th, Oakland. Alterations.
Owner—F. C. Lindsay.
Architect—None.
Contractor—H. E. Henderson, 3773 Broadway, Oakland.
COST, \$400

(4121) SE FIFTY-FIRST AVE & E-10th, Oakland. Alterations.
Owner—F. C. Lindsay.
Architect—None.
Contractor—H. E. Henderson, 3773 Broadway, Oakland.
COST, \$475

(4122) NO. 1169 SIXTEENTH, Oakland. Addition.
Owner—Frank A. McCunn, Premises.
Architect—None.
Contractor—J. F. Shrader, 520 16th, Oakland.
COST, \$463

(4123) NO. 2505 CENTRAL AVE., Alameda. Alterations.
Owner—A. J. Burgner, 2503 Central Ave., Alameda.
Architect—None.
Day's work. COST, \$1000

(4124) NO. 1340 PARK, Alameda. Alterations.
Owner—F. M. Delaney.
Architect—None.
Contractor—E. C. Randlett, 1534 Chestnut, Alameda.
COST, \$4000

(4125) NO. 3005 VAN BUREN, Alameda. One-story three-room dwlg.
Owner—A. Du Bose, 2908 Russell St., Berkeley.
Architect—None.
Contractor—Hugh C. White, 353 14th Ave., San Francisco.
COST, \$2000

(4126) W GROVE 68 S Woolsey, Berkeley. One-story 3-room dwelling.
Owner—A. Baldesseri.
Architect—None.
Contractor—Wallace Bros., 3345 Grove, Berkeley.
COST, \$1650

(4127) NO. 2137 CENTER, Berkeley. Alterations.
Owner—Bunnell Estate.
Architect—None.
Contractor—W. W. Iddings, 1805 Cedar, Berkeley.
COST, \$425

(4128) NO. 5615 KALES AVE., Oakland. Addition.
Owner—Mrs. Wingfield, Premises.
Architect—None.
Contractor—A. H. Rose & Co., 525 17th, Oakland.
COST, \$500

(4129) W CLAREMONT AVE 100 N Colby, Oakland. Two-story six-room dwelling.
Owner—C. J. Pfrang, 450 Forest, Oakland.
Architect—None.
Day's work. COST, \$4000

(4130) W WEBSTER 60 N Rich, Oakland. Two-story 12-room apartments.
Owner—K. Fernandez, 1534 Franklin, Oakland.
Architect—None.
Contractor—California Builders Co., 1534 Franklin, Oakland.
COST, \$7900

(4131) E COLLEGE AVE 46 N Keith Oakland. Two-story store and office building.

Owner—F. Armanino, 498 Hudson Okd.
Architect—None.
Day's work. COST, \$7000

(4132) N ALCATRAZ AVE 80 and 115 E California, Berkeley. Two one-story 5-room dwellings.
Owner—Brown & Stoops, 1421 Alcatraz Ave., Berkeley.
Architect—None.
Day's work. COST, \$2000 each

(4133) E EUCLID AVE 50 N Ridge Road 70x125, Berkeley. All work except painting, electric work, finish hardware, fire escapes, iron railing for three-story frame apartments.
Owner—Bessie Gallagher, 2707 Virginia St., Berkeley.
Architect—None.
Contractor—Mathew Morton, 2911 Benvenue Ave., Berkeley.

Filed Dec. 20, '19. Dated Dec. 1, '19.
Roof boarded 1/4
Brown coated 1/4
Completed and accepted 1/4
Usual 35 days 1/4
TOTAL COST, \$27,187.
Bond, none. Limit, 5 months. Forfeit, none. Plans and specifications filed.

(4134) COR. COLUSA AVE AND Tacoma St., Berkeley. All work for painting Thousand Oaks School.
Owner—the Board of Education of the City of Berkeley and of Berkeley School District of Alameda County, State of California.
Architect—Wm. Hays, 1st National Bank Bldg., San Francisco.
Contractor—D. Zelinsky & Sons, 422 Turk St., San Francisco.
Filed Dec. 19, '19. Dated Dec. 19, '19.
On 10th of each month 75%
Usual 35 days 25%
Bonds, \$1500 and \$1500. Surety, National Surety Co. Limit, 30 days. Forfeit, none. Plans and specifications, none.

COMPLETION NOTICES

Alameda County

Dec. 13, 1919—W TWENTY-EIGHTH AVE 560 N E-16th being No. 1735 28th Ave. Okd. Emil Isaacson to Alex C. Weber. Dec. 12, 1919
Dec. 15, 1919—LOT 5, BLK 10, Boulevard Park Tract, Okd. Eulalie Meny to S. A. Warner. Dec. 12, 1919
Dec. 15, 1919—LOT 10 Map North Christianity Tract, Albany. Wenona Barclay to August Hendrickson. Dec. 12, 1919
Dec. 15, 1919—LOT "B" BLK 9 Map Shaw Tract Bk 4, 6, 7, 8 and 9, Bkly. Henrietta T. Fox to G. Estay. Dec. 6, 1919
Dec. 13, 1919—LOT 6 BLK 7 Map Thousand Oaks Station Tract, Bkly. Chester P. Ninkert to whom it may concern. Dec. 12, 1919
Dec. 15, 1919—(1) NE 50 LOT 3 BLK 13 Broadmoor; (2) NE 50 Lot 4 Bk 13, Broadmoor; (3) NE 50 Lot 5 Bk 13, Broadmoor. Omer F. Darling to whom it may concern. Dec. 15, 1919
Dec. 16, 1919—NEAR FOURTH and Antonio Court, San Leandro. Allen E. Pelton to Henry Houle. Dec. 16, 1919
Dec. 16, 1919—BERRY ST. and Pacific Refinery, Alameda. Pacific Coast Borax Co. to G. W. Stewart. Dec. 11, 1919
Dec. 17, 1919—NEAR FOURTH and Pacific Ave., Alameda. N. Clark & Sons to Nelson & Forsyth. Dec. 17, 1919
Dec. 17, 1919—E EMERALD ST. 195.84 N 11th St. N 50, E 92.3, S 50.492, W 55.96, Oakland. A. N. Macdonald and F. L. Wolfe to Solomon Morris. Dec. 16, 1919
Dec. 17, 1919—SE COR. CLAREMONT Blvd. and Garber Road, Berkeley. Mrs. C. F. Weber to Walter Sorenson. Dec. 17, 1919
Dec. 17, 1919—NO. 2538 SIXTH, Berkeley. Johnson-Libby Co. to Western Electric Co. Dec. 10, 1919
Dec. 18, 1919—LOT 12, 13, 14 and 15, Map Redwood Park, Oakland. L. H. Warnken and V. Jacobsen to F. A. Warner. Dec. 18, 1919
Dec. 18, 1919—LOT 49 and S 100 lot 58, Map of Alton Park, Oakland. Ella

M. Pinnella to A. C. Sharp. Dec. 15, 1919
Dec. 18, 1919—LOT 5 N 1/2 Lot 6 Blk 593 Map Market Street Tract, bet. 16th and 18th Sts. Okd. Bay Elec Co vs May Wiley and Chas H and May Parmenter. \$492.50
Dec. 18, 1919—W STANTON 50 S Ashby Ave being Lot 22 Blk "B" Map West Moreland Tract, Bldg. Redwood Mfg Co vs Miss Schrodner and H Nielsen. \$400.06
Dec. 18, 1919—N LERIGA AVE 300 W Walla Vista Ave bet. No. 40 and 42 Blk 3 Map E-Biedmont Heights Extension, Okd. Wm Smith vs M. D. Graves, John R Vowdash Jr, A Corum and Joseph Grave. \$397.47
Dec. 15, 1919—PTN LOT 4 Map Commissioner's Report suit in partition Louis J Haralson vs Martha Ann Remwick et al Case, 2334, Okd. Joseph Huber vs Dorothea Papp. \$492.50
Dec. 16, 1919—LOT 5 and N 1/2 Lot 6, Blk 593 Map Market St. Tract, bet. 16th and 18th Sts. Okd. A H Rose vs Mrs May Wiley and Chas H and May Parmenter. \$231.50
Dec. 17, 1919—NE COR. ELEVENTH AVE and E 14th St., being part Blk 150 Higley's Map of Clinton, Okd. E. K. Wood Lumber Co. vs A. E. Farmer and R. W. Farmer. \$1086.59
Dec. 17, 1919—NO. 457 STOWE AVE, being lots 16 and 17, George Austin's subdivision Lake View Terrace Tract, Okd. E. K. Wood Lumber Co. vs Lew G. Gow, Lew Hing and George Quinge. \$34.33

BUILDING CONTRACTS.

Santa Clara County.

COTTAGES

WILLIAM ST. bet. 12th and 13th Sts., San Jose. Three cottages.
Owner—L. B. Uggdale.
Architect—Blinder & Curtis, Blinder Bldg., San Jose.
Contractor—P. T. Jorgensen, Naglee and Dana Sts., San Jose. COST, \$13,013

ALTERATIONS

NO. 361 N-FOURTH ST., San Jose.
Alterations.
Owner—Hunt Bros., Packers and Cannery, San Jose.
Architect—None.
Day's work. COST, \$25,000

ADDITION

LINCOLN AND SAN SALVADOR STS., San Jose. All work for addition to canning plant.
Owner—The Salsina Canning & Packing Co., Premises.
Architect—Theodore Lenzen & Sons, 110 S-Second St., San Jose.
Contractor—J. H. Miller, 101 S-16th St., San Jose.

Filed Dec. 12, '19. Dated Dec. 10, '19.
As work progresses. 75%
Usual 35 days, balance. \$4201
TOTAL COST, \$18,304

Bond, \$8,402. Sureties, A. L. Hubbard and Henry C. Artana. Limit, 70 days.
Forfeit, none. Plans and specifications filed.

STORE BUILDING

NORTH MARKET ST. San Jose. All work for one-story brick and frame store building.
Owner—J. N. Rossich, 34 Fountain St., San Jose.
Architect—Chas. S. McKenzie, Bank of San Jose Bldg., San Jose.
Contractor—Al. Compton, 547 N-17th St., San Jose.

Filed Dec. 12, '19. Dated Dec. 11, '19.
Brick work story high. \$1737.25
Brick work completed and building roofed. 1737.25

Upon completion. 1737.25
Usual 35 days. 1737.25
TOTAL COST, \$6949.00
Bond, \$1800. Sureties, Otto E and A. L. Schnabel. Limit, 90 working days.
Forfeit, none. Plans and specifications filed.

COTTAGE

NO. 323 N. FIFTEENTH, San Jose.
Four-room cottage.
Owner—Geo. Barbano, Premises.
Architect—None.
Day's work. COST, \$1500

COTTAGE

NO. 7 bet. WASHINGTON and Empire.
Five-room cottage.
Owner—Angelo Tirano, San Jose.
Architect—None.
Day's work. COST, \$900

COMPLETION NOTICES.

Santa Clara County.

Recorded Accepted
Dec. 13, 1919—HESTER PARK TCT near San Jose Alvin J. Madson to Lawrence Lewis. Dec. 10, 1919
Dec. 15, 1919—SAN JOSE. Associated Oil Co to Robert O Summers. Dec. 4, 1919
Dec. 15, 1919—SAN JOSE. A K Burkett to whom it may concern. Dec. 15, 1919
Dec. 15, 1919—SAN JOSE. A K Burkett to whom it may concern. Dec. 15, 1919
RELEASE OF LIENS.
Dec. 15, 1919

Santa Clara County.

Recorded Amount
Dec. 15, 1919—GILROY. Central Lumber Co and G A Chappell & Co to Mrs Frank Baptista. \$211.69

BUILDING CONTRACTS.

Fresno County.

DWELLING AND GARAGE
LOT 4 BLK 17, Alta Vista Tract, Fresno. Frame dwelling and garage.
Owner—Chess & Peterson, Fresno.
Architect—None.
Day's work. COST, \$7000

DWELLING

LOT 20 E 22 FT. LOT 19, BLK. 2, St. Francis Wood, Fresno. Frame dwelling.
Owner—J. J. Reese, 211 G. McKay Bldg., Fresno.
Architect—None.
Contractor—C. C. Sibley, Fresno. COST, \$9000

DWELLING

LOTS 5 AND 6 BLK 3, Leona Heights, Fresno. Frame dwelling.
Owner—John Miller, 1031 Belmont, Fresno.
Architect—None.
Contractor—E. R. Morris, 2031 Lewis, Fresno. COST, \$3450

DWELLING & GARAGE

LOT 36, BLK. 22, BELMONT ADD, Fresno. Frame dwelling and garage.
Owner—J. A. Orr, Fresno, Cal.
Architect—None.
Contractor—C. E. Buckmaster, 1712 Lewis, Fresno. COST, \$2700

DWELLING & GARAGE

LOT 30, 31 PARK PLACE, Fresno. Frame dwelling and garage.
Owner—J. F. Myers, Valentine, Fresno.
Architect—None.
Contractor—E. P. Tallafierro, 2917 Grant, Fresno. COST, \$4000

DWELLING

LOT 8, SEQUOIA PARK, Fresno. Frame dwelling.
Owner—H. H. Holland, 2048 Mariposa, Fresno.
Architect—None.
Contractor—G. C. Cannon, 1005 Butler, Fresno. COST, \$2700

DWELLING & GARAGE

LOTS 1, 2, BLK. 1, MATTEWAN ADDITION, Fresno. Frame dwelling and garage.
Owner—R. W. Haight, 215 N. Angus, Fresno.
Architect—None.
Contractor—H. C. Horner, Fresno. COST, \$4000

DWELLING

LOTS 27 TO 31 BLK 2, Clarendon Park, Fresno. Four frame dwellings.
Owner—J. C. Kennedy, 1028 "N", Fresno.
Architect—None.
Day's work. COST, \$2800

DWELLING

LOT 12, BLK. 33, ALTA VISTA TCT, Fresno. Frame dwelling.
Owner—Augusta Reeder, Fresno.
Architect—None.
Day's work. COST, \$4000

DWELLING & GARAGE

LOTS 6, 7 BLK. 18, ARLINGTON Heights, Fresno. Frame dwelling and garage.
Owner—D. A. Benton, Fresno.
Architect—None.
Day's work. COST, \$2200

NURSES' HOME

LOTS 1 TO 4, IRVINGTON ADDITION, Fresno. Two-story and basement concrete and brick nurses' home.
Owner—Burnett Sanitarium Co., 1234 "S" St., Fresno.
Architect and Contractor—R. F. Felchin Co, Rowell Bldg., Fresno. COST, \$60,000

OIL STATION

LOT 7, BLK. 7, VILLA HOMESTEAD Tract, Fresno. Oil station.
Owner—F. Cackler, 3362, Belmont, Fresno.
Architect—None.
Contractor—G. C. Cannon, 1005 Butler, Fresno. COST, \$1000

ADDITION

LINDSAY SCHOOL DISTRICT, Fresno County. Addition to school building.
Owner—Board of Trustees, Lindsay School District.
Architect—None.
Contractor—W. B. Vaughan.
One-third completed. \$1357.50
Two-thirds completed. 1357.50
Completed. 1357.50
TOTAL COST, \$5430

Bond, Sureties, none. Forfeit, \$1, Limit, 75 days. Plans and specifications filed.

FRAME DWELLING

LOTS 21 TO 24 BLK 1, Hills Addition, Fresno. Frame dwelling.
Owner—H. N. Ruth, 404 Thesta St., Fresno.
Architect—None.
Day's work. COST, \$1500

FRAME DWELLING

LOTS 12, 13 AND 14 BLK 2, Alhambra Tract, Fresno. Frame dwelling and garage.
Owner—Ed. Schwartz, Fresno.
Architect—None.
Contractor—F. L. Stone, Mason Bldg., Fresno. COST, \$7000

FRAME DWELLING

LOT 7 BLK 3, Woodward Addition, Fresno. Frame dwelling and garage.
Owner—P. P. Lamoreux, 1231 "I" St., Fresno.
Architect—None.
Contractor—F. J. Stone, Mason Bldg., Fresno. COST, \$3500

BUILDING

"M" ST. EXTENSION, Fresno. Building.
Owner—Fresno Brewing Co., Premises.
Architect—None.
Contractor—F. J. Stone, Mason Bldg., Fresno. COST, \$3000

COMPLETION NOTICES.

Fresno County.

Recorded Accepted
Dec. 16, 1919—LOTS 36 & 37, Acacia, Fresno. F. E. Sadlemeyer to whom it may concern. Dec. 11, 1919
Dec. 15, 1919—FRESNO GAS WRKS. (for plumbing), Fresno. Pacific Gas and Electric Co. to whom it may concern. Dec. 15, 1919
Dec. 15, 1919—N 1/2 LOT 7, HILLcrest Tract, Fresno. Irene and L. H. Phillips to whom it may concern. Dec. 15, 1919

LEASAS FILED.

Fresno County.

Recorded Amount
Dec. 12, 1919—NO. 2046 PEARL ST.,
Fresno. F. W. Anderson vs Lulu
Starkle\$55

BUILDING CONTRACTS.

Sacramento County.

FRAME RESIDENCE
NO. 1035 THIRD ST., Sacra-
mento. One-story seven-room frame
Owner—M. P. Barret, 1114½ "I" St.,
Sacramento.
Architect—None.
Contractor—J. A. Saunders, 2810 "I"
St., Sacramento.

COST, \$6750

ICE BOX
NO. 716 "J" ST., Sacramento. Install
ice box.
Owner—F. Daroux, Hotel St. Francis,
San Francisco.
Architect—None.
Contractor—Ed. Book, 2912 "G" St.,
Sacramento.

COST, \$3500

COMFORT STATION
NO. 3001 "I" ST., Sacramento. Com-
fort station.
Owner—C. J. McClatchy, Sacramento.
Architect—None.
Contractor—Associated Oil Co., 1019
"J" St., Sacramento.

COST, \$1000

BUILDING
LOT 4, Williamson Tract, Sacramento.
Building.
Owner—C. M. Goethe, 720 Capital Bank
Bldg., Sacramento.
Architect—None.
Contractor—A. W. Norris, 3012 "G" St.,
Sacramento.
Filed Dec. 18, 19. Dated Dec. 11, '19.
TOTAL COST, \$3938

REMODEL
NO. 1012 "K" St., Sacramento. Remodel
interior of store.
Owner—Sacramento Hotel, "K" cor.
10th, Sacramento.
Architect—None.
Contractor—Siller Bros., 1614 13th, Sacra-
mento.

COST, \$3900

RESIDENCE & GARAGE
LOT 9, SUNNYSIDE TRACT, Sacra-
mento. One-story frame and stucco
residence and garage.
Owner—T. A. Farrell, agent for W. E.
Trainer, 2115 "M," Sacramento.
Architect—None.
Contractor—P. R. Higley.

COST, \$3150

RESIDENCES
NO. 3252-4 MARSHALL WAY, Sacra-
mento. Two four-room frame resi-
dences.
Owner—B. H. Bell, 906 12th, Sacra-
mento.
Architect—None.
Day's work.

COST, \$1700 each

RESIDENCE
NO. 2805 "P" ST., Sacramento. Two-
story, 6-room frame residence.
Owner—J. P. Collins, 1806 "F" St., Sacra-
mento.
Architect—None.
Contractor—R. M. Smith, 2633 30th,
Sacramento.

COST, \$6000

REMODEL
NO. 1321 "K" ST., Sacramento. Re-
model interior of garage.
Owner—J. D. Lauppe, Premises.
Architect—None.
Contractor—Siller Bros., 1614 13th St.,
Sacramento.

COST, \$1900

COMPLETION NOTICES.

Sacramento County.

Recorded Accepted
Dec. 17, 1919—CALLA SCHOOL DIS-
trict, Sacramento County. Trus-
tees of Calla School District to
Uhels & Van Til, Dec. 6, 1919

LEASAS FILED.

Sacramento County.

Recorded Amount
Dec. 12, 1919—LOT 10 BLK 21, Oak
Park and South Sacramento, Sacra-
mento. Latourrette-Fical Co vs
Will Erwin and Jas Sklavas...\$58.55

BUILDING CONTRACTS.

San Joaquin County.

ALTERATIONS
VAN BUREN AND FLORA STS., Stock-
ton. Remodel building.
Owner—D. G. Johns, 113 S-California
St., Stockton.
Architect—None.
Day's work.

COST, \$3500

BUILDING CONTRACTS.

San Joaquin County.

REMODEL
CALIFORNIA AND CHANNEL STS.,
Stockton. Remodel.
Owner—Carrie M. Kuhn, Stockton, Cal.
Architect—None.
Day's work

COST, \$3000

U. S. TRADE BALANCE.

WASHINGTON.—America's trade bal-
ance for the fiscal year ended last
June 30 was \$3,978,134,947, "a figure
never approached in the commerce of
any nation in the history of the
world," said the annual report of the
Secretary of Commerce. New high
marks were established in both ex-
ports and imports, exports totaling
\$7,074,011,529 and imports \$3,095,876,-
582. Exports to Europe aggregated
\$4,634,816,841, to North American \$1,-
291,932,342, to Asia \$603,924,548, and
to South America \$400,901,601.

VALLEJO BUILDERS' SUPPLY COM-
PANY ORGANIZED.

FAIRFIELD, Cal.—The Vallejo
Builders' Supply Company has filed
articles of incorporation in the County
Clerk's Office, the personnel being O. B.
Bradley, H. W. Greene and C. W.
Greene. The corporation is capitalized
for \$25,000, for a term of fifty years.

The purpose of the company is to
buy and sell plaster, lime and other
building materials for the erection of
buildings.

TIMBER FOR SALE.

PORTLAND, Ore.—Seventy million
feet of timber on the Breitenbush river
within the Santiam national forest, has
just been put up for sale by the Fed-
eral District Forester. It was an-
nounced. This is the largest tract to
be put on the market for several
months in this district. The timber
lies on both sides of the Breitenbush
river a short distance above Detroit,
largely within the drainage of two
small creeks, known as Canyon and
Hansen creeks. It includes 60,000,000
feet of Douglas fir of medium size
and fair quality and about 9,000,000
feet of sugar and Western white pines,
noble fir, Western red cedar, hemlock
and silver fir.

REID BROS. HAVE MUCH PROSPEC-
TIVE WORK.

SAN FRANCISCO.—Architects Reid
Bros., 105 Montgomery street, are pre-
paring preliminary plans for the fol-
lowing buildings to be started within
the next six months:

A 15-story Class "A" office building
for the down town district of San
Francisco to cost \$500,000.

An eight-story reinforced concrete
apartment house to be erected in the
Western Addition, San Francisco, to
cost \$350,000.

Two large Class "A" theatre build-
ings to be erected in California cities;
one to cost \$1,000,000 and the other \$1,-
250,000 or more.

RINCON HILL REMOVAL DIS-
CUSSED BY PROPERTY OWNERS.

Work on the removal of Rincon Hill
in the south of Market district will
probably be undertaken next year. At
a recent meeting with the City Engi-
neer property owners were informed
that the work would require the re-
moval of 3,000,000 square yards of earth,
requiring 18 months to complete, and
costing approximately \$3,500,000. It
is expected that property in the district
will then advance in valuation from
\$1.00 to \$3.50 a square foot.

NEW REALTY COMMISSION.

SACRAMENTO, Cal.—The California
Real Estate Commission, held in sus-
pense until the legislative act creating
it was upheld by the State Supreme
Court, will open its doors in the Cap-
itol for business, Commissioner R. L.
Riley of Colton said. By January 1
branch offices in Los Angeles and San
Francisco will be established. License
applications will be received at once.
Blank application forms are being
printed, Riley said.

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QUARTERED OAK-
WYBROOK BENDING OAK
POPLAR-WALNUT



BOXWOOD-EBONY-IRONBARK
JENSEN-ROSE-SPANISH CEDAR
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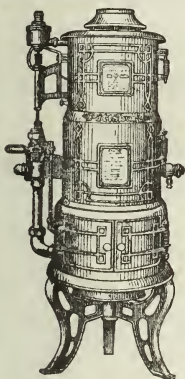
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Publication Office
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San Francisco, Cal., December 31, 1919

Published Every Wednesday
Nineteenth Year, No 53



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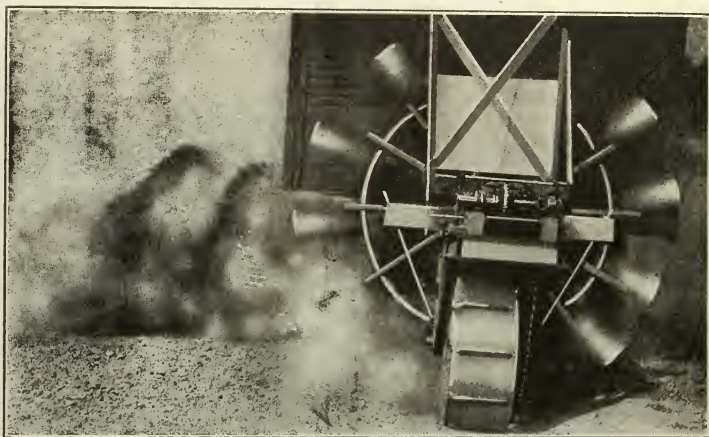
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One of the strong features of this ditcher is its light weight compared to other machines designed to do the same class of work done by this one. The weight ranges from two to four tons according to size.

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J. P. FARRELL.....Exchange Editor

American Association of Engineers

NEWS FROM NATIONAL HEAD-QUARTERS.

The convention of the American Association of State Highway Officials held in Louisville early in December, endorsed by resolution a list of recommended salaries for engineers in state highway service prepared by the Committee of the American Association of Engineers in Public Service.

A. N. Johnson, consulting highway engineer of the Portland Cement Association, who is chairman of this committee, in addressing the convention stated that the recommended salaries were established by first selecting three places in the schedule—the highest, the middle position, and the lowest. The highest position was that of the chief engineer of the state highway department; the middle position was "considered to be one requiring an engineer having at least four or five years' experience since graduation from college; a man who it may be expected will be married. Such a position should, therefore, carry with it a salary to enable a young engineer with a small family to live in comfortable and appropriate surroundings." The lowest position was established as one filled by a recent college graduate. The salaries established by these three positions are \$8,000 to \$15,000 for the highest; \$3,600 to \$5,000 for the middle position; and \$1,200 to \$1,500 for the lowest.

"If practical results are to follow suggestions of the American Association of Engineers regarding salaries of engineers in public service or in any other service," said Mr. Johnson, "the first essential is unity of opinion and purpose amongst engineers themselves. One of the chief drawbacks to higher salaries for engineers in public service has been in the past, the opposition of these very engineers themselves. This may seem at first paradoxical, but here is an instance. A legislative committee gives a hearing on the subject of salary increases for a certain position and behold there appears before the committee a number of engineers who state that even lower salaries than those paid at present are paid to engineers, and that engineers may be easily secured for the present salaries. What is a legislator to think?

"That engineers may be united and present no conflicting testimony and make no contradictory claims is one of the purposes of the American Association of Engineers."

Recent Railroad Development.
Southwestern Region—Adjustments

have been made by the regional director, effective November 1. Some men received their salaries under the new rates on December 1, and it is probable that most of the others were covered on December 15. It is too early to tell just what the adjustments were, but information received from the Frisco and S. A. & A. P. indicate an average increase of \$25.00 per man.

Poconchos Region—As only 5 questionnaires were received from this region in March it was necessary to postpone action. In September A. A. E. collected 125 questionnaires here and presented the data to the regional director on November 4. In response to his tracer letter of December 9, he has advised as follows:

"I would advise that the matter of adjustments in the engineering department is receiving my attention. Adjustments have been made on the Norfolk & Western and they are now being considered on the Chesapeake & Ohio and the Virginian."

This is the smallest of the seven regions. The three roads above mentioned are the only ones covered in our report to the regional director.

Allegheny Region—As far as we can learn the adjustments made in this region, effective September 1, covered the Penn. Lines west fairly well. A few departments of the B. & O., where salaries had been low, were also included, but no other railroads. The Penn. R. R. section has prepared a careful report on present conditions on their railroad, which Mr. F. M. Sawyer, president P. R. R. section, transmitted to the regional director on December 12, requesting that he take steps to adjust the low salaries on the Penn. Lines East, and reclassify all positions so as to secure more appropriate titles. The B. & O. section plans similar action and has appointed a committee on compensation, of which W. C. Bolin is chairman.

Southern Region—Following our submission of new data to the regional director on September 29, a committee of engineers was appointed to consider the matter. They met in Atlanta late in October and drafted a tentative schedule, which was considered at a meeting of federal managers on December 3, as a result this schedule has been submitted to each federal manager with the request that he make recommendations in accordance therewith.

Eastern Region—1410 new questionnaires were collected from this region in October. Their data were compiled and presented to the regional director on November 26, and the regional di-

rector stated that he would take the matter under consideration. This data was published in our "Eastern Region Report." It showed, in brief, that the adjustments made in this region, effective July 1, covered less than half of the railroads and less than 35 per cent of the positions, and that present salaries on many railroads, particularly the D. & H., Erie and New England roads, were very low.

It appears that the federal managers were stumbling blocks where no adjustments were made. Therefore, in order to bring pressure on them, national headquarters has asked each railroad section in this region to prepare a report giving detailed recommendations for the adoption of the A. A. E. schedule on their road, and to transmit this report to their federal manager through official channels as soon as possible, with the request that he take immediate action to put their recommendations into effect. It is understood that several of the railroad sections are now doing this. This method much resembles the individual salary increase request used so successfully in the Central Western Region.

County Road Improvements in California.

County Good Roads Bond Issue in San Bernardino County.

Year of issue—1914.
Amount of issue—\$1,750,000.00.
Length of issue—40 years; average 20 years.
Miles of roads improved—190.43.
Miles of concrete roads—94.29.
Miles of asphalt on concrete base—None.
Miles of Topeka on concrete base—None.
Miles of bitulithic on concrete base—None.
Miles of Topeka on bituminous base—None.
Miles of bitulithic on bituminous base—None.
Miles of oil macadam—96.14 miles.
Miles of water bound macadam—None.
Bridges built as part of bond issue—None.

Any further information that will give the public the correct idea of the scope, magnitude and importance of the work done—

San Bernardino County, California.
E. T. HAM,
County Surveyor.

County Good Roads Bond Issue in Orange County.

Year of issue—1913.
Amount of issue—\$1,270,000.
Length of issue—32 years.
Miles of road improved—128.73.
Miles of oiled concrete roads—117.57.
Miles of grading and gravel—11.56.
Miles of Topeka on concrete base—
Miles of bitulithic on concrete base—
Miles of Topeka on bituminous base
Miles of bitulithic on bituminous

base—
Miles of oil macadam—
Miles of water bound macadam—
Bridges built as part of bond issue—

Any further information that will give the public the correct idea of the scope, magnitude and importance of the work done—Roads improved by direct tax and Road District Improvement:

	Miles
Concrete	40.87
Asphalt-concrete	5.60
County Paved	167.59
State Highway	43.40

Grand Total 210.99
J. L. McBRIDE,
County Surveyor.

County Good Roads Bond Issue in Sacramento County, Calif.

Year of issue—Two issues—1908, 1916.

Amount of issue—First, \$825,000; 2d, \$1,750,000.
Length of issue—First, 40 years; 2d, 25 years.

Miles of roads improved—First, 90; 2d, 124.
Miles of oiled concrete roads—2d issue, 112 miles.

Miles of asphalt on concrete base—None.
Miles of Topeka on concrete base—None.

Miles of bitulithic on concrete base—None.
Miles of Topeka on bituminous base—None.

Miles of bitulithic on bituminous base—1st, 5 miles.

Miles of oil macadam—1st, 85 miles.
Miles of water bound macadam—None.

Bridges built as part of bond issue—About \$250,000 for bridges.

Any further information that will give the public the correct idea of the scope, magnitude and importance of the work done—A third bond issue for \$1,250,000 for concrete base pavement is contemplated.

(Signed) R. W. MORTON.

County Good Roads Bond Issue in San Joaquin County.

Year of issue—1909.
Amount of issue—\$1,890,000.00.

Length of issue—Forty years.
Miles of road improved—241 miles.
Miles of oiled concrete roads—0.62.
Miles of asphalt on concrete base—

0.43.
Miles of Topeka on concrete base—None.

Miles of bitulithic on concrete base—1.20.
Miles of Topeka on bituminous base
Miles of bitulithic on bituminous

base—
Miles of oil macadam—192.00.
Miles of water bound macadam—24.00.

Bridges built as part of bond issue—Any further information that will

give the public the correct idea of the scope, magnitude and importance of the work done—Asphaltic macadam or Warrentite, 22.35.

Since 1909 the Board of Supervisors have constructed some 135 miles of road from funds other than bond money, giving San Joaquin County about 376 miles of roads. The 135 miles is about equally divided between oiled macadam and gravel roads.

The maintenance of all improved roads is in charge of the County Surveyor and systematically conducted by a Maintenance Department.

F. E. QUAIL,
County Surveyor.

Kings County Good Roads Bond Issue.

Year of issue—1915.
Amount of issue—\$672,000.

Length of issue—25 years.
Miles of roads improved—103.8.

Miles of oiled concrete roads—
Miles of asphalt on concrete base—
Miles of Topeka on concrete base—
Miles of bitulithic on concrete base—
Miles of Topeka on bituminous base

—103.8.
Miles of bitulithic on bituminous base—
Miles of oil macadam—
Miles of water bound macadam—
Bridges built as part of bond issue—

\$77,529.80.
Any further information that will give the public the correct idea of the scope, magnitude and importance of the work done—

Bond issue \$672,000.00
Premium 9,482.25
Sale of plans 395.00
County general special tax, 220,329.07

Total \$902,206.32
RAY MAY,
County Surveyor.

Adopt Resolutions as Favoring New City Charter.

Indorsement of the commission-manager form of city government and the placing of the organization on record as urging the city of Fresno to appoint freeholders to recommend that plan, was achieved Saturday night at the meeting of the Fresno Chapter, American Association of Engineers, when a resolution to that effect was passed.

Following is the text of the resolution as introduced by delegates of the engineers present at the mass meeting of seventeen which considered the charter situation last Wednesday night.

Resolved, That the Fresno Chapter, of the American Association of Engineers, favors the election of freeholders to submit a new charter for the city of Fresno;

Resolved, Further, that they place themselves on record as favoring the commission-manager form of government.

Following the introduction of the report of the delegates at the mass meeting, there was general discussion held on the city charter question, with the result that the resolution was adopted and a committee appointed to act for the association in matters of import to the adoption of a new charter by the city. The following were appointed as members to serve on the charter committee of the Fresno Chapter: Charles L. Kaupke, State Water Engineer of Fresno; A. R. Morrison, of

the State Highway Commission, and F. L. Chelgren, assistant engineer of the Southern Pacific Company. The first two men were in attendance at the mass meeting called for the purpose of consulting with the charter study committee of the Fresno County Chamber of Commerce and the city officials on the subject of a new charter adoption.—Fresno Republican, December 22, 1915.

ASPHALTIC CONCRETE BASE IN CALIFORNIA.

(Reprint from Autocraft and Aircraft for December 1915.)

While the use of asphaltic concrete for pavement bases has been a more or less well established custom in California for a great many years and is today in use in over fifty municipalities, yet it is a fact that text books which are recognized as authorities on paving and highway construction give scant or no consideration to this very useful type of base.

This is no doubt due to the fact that most of our text books are written by eastern engineers whose experiences have been largely confined to eastern conditions and practices.

Too often, too, the true asphaltic concrete base has been confounded with the bituminous macadam base, which is distinctly unfair to it, and the asphalt concrete has suffered accordingly in popular esteem.

A true asphaltic concrete, often called "black" base to differentiate it from Hydraulic Cement Concrete or "white" base, is composed of asphaltic cement, a proportion of fine mineral aggregate passing a quarter-inch screen and a proportion of coarse mineral aggregate approximately double the quantity of the fine aggregate, and ranging in size from that rejected by a quarter-inch screen to that passing, say, a two and one-half inch mesh screen. All of the above material is heated and plant mixed.

A specification adopted by the City of Los Angeles and quite generally followed for an asphaltic concrete base is given as a typical example of good practice, and is as follows:

"(a) Composition. Asphaltic concrete base shall be composed of asphalt cement, broken stone and sand in the following proportions by weight:

Mineral Aggregate—	Per cent.
Asphalt Cement	4½ to 6
Passing a 10" mesh screen.....	20 to 30
Passing a ¾" screen and retained on a 10-mesh screen. 6 to 20	
Passing a ½" mesh screen and retained on a ¼" screen.....	10 to 20
Passing a 1" screen and retained on a ½" screen.....	20 to 40
Passing a 2" screen and retained on a 1" screen.....	5 to 25

(b) Mixing. The different sizes of stone shall be kept in at least two (2) separate bins and 10-mesh material in a third bin. The proportioning of the various sizes shall be done by means of multiple beam scales. The broken stones and sand shall be heated to a temperature between two hundred twenty-five (225) and two hundred seventy-five (275) degrees Fahrenheit and shall be placed in a mixer, and the required asphalt cement added. The asphalt cement shall have been prepared for use by previously heating to a temperature of not more than three

hundred twenty-five (325) degrees Fahrenheit and when used the asphalt cement shall be not colder than two hundred eighty-five (285) degrees Fahrenheit. Each batch shall be mixed at least sixty seconds with the paddles of the mixer running at a speed of not less than seventy-five (75) nor more than ninety (90) revolutions per minute. In addition at least ten (10) seconds shall be allowed on each batch for charging and emptying the mixer.

(c) Laying. The mixture shall be hauled to the street in canvas covered wagons or trucks and shall have a temperature when it reaches the street of not less than two hundred twenty-five (225) degrees Fahrenheit. The mixture shall be dumped on metal platforms. It shall then be uniformly spread upon a subgrade prepared as hereinbefore specified with hot shovels or forks to such a depth that after rolling to its ultimate compression it will have the thickness shown upon the cross section. The surface must be smooth and uniform, corresponding with the elevations required by the plans.

(d) Rolling. After the base has been spread it shall be immediately and thoroughly rolled with a roller weighing not less than eight (8) tons and having a weight of not less than two hundred ten (210) pounds per linear inch width of tire. While still hot the entire surface of the base shall be re-rolled with a roller weighing not less than twelve (12) tons and having a weight of four hundred (400) pounds per linear inch width of tire. The rolling must be continued until no movement is perceptible. Any portion of the base not absolutely unyielding under the roller must be removed and replaced. The specific gravity of the base when rolling has been completed shall be not less than eighty-eight (88) per cent of the specific gravity of the combined stone and sand contained in the base.

(e) Protection. The base shall be kept barricaded until the wearing surface is laid.

The result is a firmly compacted base both solid and waterproof, but to a certain extent flexible, so that any slight settlement does not affect its cohesion, supporting power, nor the adhesion of the surface course.

A rational use of this base, as in any other type of base, would contemplate its construction on a sub-grade of normal firmness, or that after proper compacting, will maintain a firmness. Too often this condition is not obtained, due to a weakening in the sub-grade, caused by infiltration of water or by drying out due to evaporation of the water used for compacting.

It must be borne in mind that this base is practically waterproof and that a sub-grade normally stable will not change through surface infiltration, though it may be ruined from side infiltration.

As regards cost, the black base type of construction is, for equal thickness, usually slightly cheaper than an unsurfaced hydraulic cement concrete pavement, and considerably cheaper than the white base with a wearing surface of one and one-half or two inches in thickness.

As to durability, California experience would seem to indicate that, when properly constructed, it is more durable than hydraulic cement concrete.

The base has been laid of varying thickness of from two and one-half to five inches, but in general it is not considered good practice to lay a base more than three and one-half inches thick in one course, because the chilling of the mixture may prevent the necessary compression being obtained.

This base may be surfaced with either Warrentite-Bitulithic, Sheet Asphalt or Topeka, the first being the most generally used and giving the greatest satisfaction, probably due to the close and rigid inspection given to it by Warren Brothers Company. For California conditions there is no question but that this type of construction is well adapted not only to city streets, but to use in highway construction and has proved both adequate to the traffic and economical in construction and maintenance, and this is particularly true where the soil is adobe or heavy loam.

One of the earliest examples of this type of construction in central California is at Visalia. This pavement was laid in 1896, and has been subjected to the continuous mixed traffic of a county seat, and still presents a first-class appearance.

As originally constructed it consisted of a four-inch base composed of gravel, sand and refined asphalt, all plant mixed, with a two-inch wearing surface.

In Southern California at Pasadena one of the oldest examples is a one-course pavement which has been under traffic for some fourteen years and seems good for another term.

Some sections of highway of this type through Orange County have been in use from five to eight years, are in good condition, and are preferred by motorists over adjoining hydraulic cement concrete state highway constructed within the last three years.

In the City of Los Angeles, Lake Shore avenue is a typical example of the best type. Another Los Angeles example is a street at San Pedro leading to the government harbor fortifications. This pavement is an asphaltic concrete base three inches in thickness with a Warrentite-bitulithic wearing surface two inches in thickness, all laid on well-rolled adobe soil. In addition to normal traffic, this paving was, immediately after completion, subjected to the hauling of some thirty thousand tons of building material for the fortifications, most of which was carried on five-ton trucks. Later the fourteen-inch coast defense guns, weighing some sixty tons each, were hauled over this pavement, which today is in good condition.

In Northern California an excellent example is a strip of highway about eight miles long between the cities of Sacramento and Stockton. This pavement is a strip of bituminous concrete (natural bitumen being used instead of refined asphalt) about five inches in thickness. It has been in use some seven or eight years, carries all the traffic between the two named cities, and is in excellent condition.

Another example is the paving of a portion of "M" street in the city of Sacramento about a mile in length laid in 1905. This pavement consists of a three-inch black base and a one-and-one-half inch wearing surface and after fourteen years of use is in excellent condition.

While, as stated, many cities of the state have used an asphaltic concrete base construction, it remained for Kings County to most strikingly show its faith in this type.

Kings County occupying very largely the old bed of Tulare Lake, possesses wonderfully rich soil, but in some cases the ground water comes right up to the surface. Despite this condition the county constructed its highway system of asphaltic concrete four inches in thickness with a small amount of thicker pavement. This highway was constructed in 1916-18, at about the same time that the concrete state highway, four inches in thickness, was constructed through this county.

The total mileage of highway constructed amounts to 103.8 miles, of which by far the larger portion consists of a pavement sixteen feet in width, composed of an asphaltic concrete base two and one-half inches in thickness and a wearing surface one and one-half inches in thickness.

This is, of course, an extremely light construction, and considering the saturated conditions of soil over certain parts of the county covered by the road system, the building of so light a pavement might be open to criticism.

While it is true that certain small portions of this road have failed entirely, this has occurred only on sections subject to saturation from ground water which greater experience in highway construction would have caused the engineers to reinforce with a sub-base of rock or gravel sufficient to maintain a solid foundation. The failure serves rather to illustrate the folly of specifying a standard type of construction for an entire road system, where it can be noted that conditions of soil and traffic are not uniform in all sections of the system, and that certain discretion must be exercised by the engineer on all successful construction.

On the whole, the Kings County road system is a success, and has been maintained at a remarkably low cost, and far below that of the state constructed concrete highway of the same width and thickness.

Other advantages of the type which are of considerable importance are as follows:

Bases may be thinner than hydraulic cement concrete and yet not crumble.

The base is flexible and therefore not easily shattered by general settlement, as in the case of fills or adobe soil. The base is always in contact with the sub-grade, a condition which does not obtain with a rigid base.

Depressions may be filled up without renewing the base, by simply adding a patch to the surface.

There is perfect adhesion between the base and the surface.

The completed pavement is a tough elastic sheet, well able to absorb shock.

The pavement is waterproof.

The paving is easier riding, not so hard on horses, and presents a pleasing appearance.

The pavement will not buckle during hot weather, and if properly surfaced is unaffected by heat or cold.

Its long and successful use signifies that it is not an experiment and when built under careful engineering design and supervision, its maintenance cost is very low, and it will outlive any reasonable bond issue.

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ADVANCE NEWS

Official Proposals, Etc.

BUILDING.

APARTMENT HOUSES.

Contract Awarded.

APARTMENT HOUSE. Cost, \$45,000
BAKERSFIELD, Kern Co., Cal. Two-story apartment house (12 apts.)

Owner—Mrs. Charlotte E. Jameson, 1924 B St., Bakersfield.

Architect—None.

Contractor—Geo. R. Harris, Bakersfield.

Contract Awarded.

APARTMENT HOUSE. Cost, \$35,000
BAKERSFIELD, Kern Co., Cal. W 19th street.

Two-story brick and hollow tile apartment house.

Owner—Grace A. McCormick.

Architect—None.

Contractor—Geo. R. Harris, Bakersfield, Cal.

Completing Plans.

APARTMENTS. Cost, \$300,000
SAN FRANCISCO. NW Post and Ophir Streets, bet. Jones and Taylor.

Eight-story class "B" reinforced concrete apartment house, 60x60 (150 rooms, 2-room apts.)

Owner—A. F. Rousseau.

Architects—Rousseau & Rousseau, 110 Sutter Street, San Francisco.

NOTE—Work will be done by days labor and sub-contracts.

Plans Prepared.

APARTMENTS. Cost, \$50,000
SAN FRANCISCO. Baker and Green Streets.

Three-story frame apartment house (12 4-room apts.).

Owner—J. Devencenzi, 1069 Union St., San Francisco.

Architect—Leonard H. Thomas, Russ Bldg., San Francisco.

Segregated Figures to be Taken by Owner.

APARTMENT HOUSE. Cost, \$30,000
SAN FRANCISCO. S. Sacramento bet. Fillmore and Steiner.

Two-story and Basement frame and Plaster Apt. House, 8 4-room Apts. Six garages in basement.

Owner—Jefferson W. Asher.

Architect—C. O. Clausen, Hearst Bldg.
 Mr. Asher will take figures in about ten days and wants catalogues and samples of all materials, heating systems etc., immediately.

Plans Being Figured.

APARTMENTS. Cost \$———
SEATTLE, Wash., S. E. Boylston Ave. and Howell.

Three-story and basement brick veneer (13 2 and 3 room Apts.).

Owner—C. A. Neal.

Architect—V. W. Voorhees, Eitel Bldg., Seattle, Wash.

BANKS

Segregated Figures Being Taken.

BANK BLDG. Cost, \$100,000
HEALDSBURG, Sonoma Co., Cal. West and Powell Streets.

One-story brick and hollow tile bank building, 60x100.

Owner—Healdsburg National & Savings Bank.

Architect—Fred'k. H. Meyer, Bankers' Invest. Bldg., San Francisco.

BONDS

NOGALES, Ariz.—An election will be held January 15 to vote on issuing \$350,000 bonds for civic improvements including extensions to the municipal water system and the erection of a city hall.

CHICO, Butte Co., Cal.—The \$440,000 bond issue of the Chico High School District has been sold by the County Supervisors for a premium of \$5,100.

Plans for the structure to be erected from the proceeds of the sale are being prepared by Architects Woollett & Lamb, Physicians' Bldg., Sacramento.

MARTINEZ, Contra Costa Co., Cal.—The \$125,000 bond issue of the Alhambra Union High School District has been sold by the County Supervisors and construction of the building to be erected under the issue will be started by March, 1920, from plans prepared by Architect A. A. Cantin, 68 Post St., San Francisco.

ELK GROVE, Sacramento Co., Cal.—The \$175,000 bond election to provide funds with which to erect a new union high school has been defeated.

Plans were prepared by Architect George C. Selson, 1005 8th St., Sacramento.

EAGLE ROCK CITY, Los Angeles Co., Cal.—At a mass meeting of citizens called to consider additions to the high school a committee was appointed to investigate the matter of securing additional land. An estimate of the cost of the proposed additions was submitted as follows: Administration building with auditorium to seat 2500, \$126,000; science hall containing eight class rooms, \$91,383; central heating plant, \$30,000; remodeling present administration building, \$5000; gymnasium, \$32,000; equipment and furniture, \$25,000.

SACRAMENTO, Cal.—The State Advisory Board has asked Governor Stephens to authorize the State Treasurer to sell \$12,000,000 highway bonds and make available \$1,000,000 each month for highway construction during 1920.

WHITTIER, Los Angeles Co., Cal.—The \$316,614 bonds voted for extensions to the municipal water system and for increasing the water supply

were sold to the Bank of Italy and the Wm. B. Staats Co., bidding jointly. J. B. Lippincott, Central Bldg. Los Angeles, is the engineer.

MAXWELL, Colusa Co., Cal.—An election will be held January 31st in the Maxwell Union High School District to decide the question of issuing and selling bonds of \$60,000 with which to finance construction of a new school building.

PITTSBURG, Contra Costa Co., Cal.—January 20th is the date set by the City Trustees to secure funds with which to finance the erection of a memorial building, new city hall, paving the principal streets, purchase of municipal water plant, construction of sewers, purchase of street cleaning machinery, erection of municipal wharf and the purchase of additional fire equipment.

SAN JOSE, Santa Clara Co., Cal.—The Board of Education is contemplating the purchase of the entire block bounded by Eighth, Ninth, San Fernando and San Antonio streets, on which to erect additional school buildings.

A bond election to be held the early part of the next year is planned to secure funds with which to finance the proposed work.

C. S. Allen is president of the High School Board.

SAN ANSELMO, Marin Co., Cal.—At the recent road and bridge bond election all propositions failed with the exception of the county road project, which will provide funds to finance construction of the work.

ORLAND, Glenn Co., Cal.—December 31st is the date set to decide the question of issuing and selling bonds of 42,000 with which to finance construction of a new grammar school building.

TUCSON, Ariz.—The \$1,500,000 Pima County highway bond issue was sold to Hornblower & Weeks at a premium of \$8500, the bonds to be delivered in lots of \$300,000 at intervals in 1920. The same firm offered a premium of \$16,700 for immediate delivery of the bonds.

SOLOMONSVILLE, Ariz.—The \$250,000 Graham County highway bonds carried at a special election.

YUMA, Ariz.—The \$1,200,000 Yuma County highway bond issue was sold to Brown-Krummer Co. of Wichita, Kas., and Graves, Blanchet & Thornburg of Toledo, Ohio, at par and an allowance of \$18,000 for services. Two other bids were received at par, both bidder asking an allowance of about \$36,000 each for services.

SAN FRANCISCO—Architects O'Brien Bros., 240 Montgomery St., are working on preliminary plans and leases for

BUILDING AND ENGINEERING NEWS

the improvement of the entire block bounded by Market, Mission, 11th and 12th streets, by erecting manufacturing and industrial buildings.

ALAMEDA, Alameda Co., Cal.—The City Council has called an election for January 31st to secure authorization to grant the Federal Government, sufficient tide land acreage for the establishment of the \$58,000,000 contemplated naval base.

CHURCHES

Contract Awarded.
CHURCH Cost, \$50,000
HOLLYWOOD, Los Angeles Co., Cal.
Hollywood Blvd. & Sycamore Ave.
Two-story and basement hollow tile church, 56x130.
Owner—Hollywood Congregational Church.
Architect—Homer W. Glidden, Wright & Callender Bldg., Los Angeles.
Contractor—Houghton & Anderson, 143 Rose St., Los Angeles.

Contract Awarded.
CHURCH Cost, \$65,000
KINGSBURG, Fresno Co., Cal. East Draper Street.
Church building (Italian Campanile Architecture).
Owner—Baptist Church of Kingsburg.
Architect—Anton Johnson, Kingsburg.
Contractor—Palm Bros., Kingsburg.

VALLEJO, Solano Co., Cal.—Plans are being outlined by the Sons and Daughters of Israel to start a campaign for funds with which to erect a new synagogue in this city.

FACTORIES AND WAREHOUSES.

Contract Awarded.
STORAGE BLDG. Cost, \$—
LOS ANGELES. Market and Alameda Streets.
One-story brick storage building, 100 x100.
Owner—Los Angeles Warehouse Co.
Architects—Wm. Currett & Son, 525 Merchants Nat'l. Bank Bldg., Los Angeles.
Contractors—C. J. Kubach Co., 701 Merchants National Bank Bldg., Los Angeles.

RED BLUFF, Tehama Co., Cal.—The Associated Oil Company has purchased a site near the northern boundary of Red Bluff and plans the erection of a \$25,000 distributing station.
Donald Stewart is local manager for the Associated Company.

Contract Awarded.
FIREPROOF BLDG. Cost, \$1,350,000
PORTLAND, Ore.
Eight-story fireproof building, 280x600 (1st unit).

Owner—Montgomery Ward Co., J. Patterson, Portland Representative.
Architect—Wm. H. McCaully, Chicago.
Contractor—Wells Bros. Co., Chicago.
NOTE—The contractors have opened offices in the Yeon Bldg., Portland. The plant completed will cost \$5,000,000.

Plans Being Figured. Bids Close Jan. 2, 1920, 9 A. M.
WAREHOUSE Cost, \$—
TURLOCK, Stanislaus Co., Cal. Delhi Colong, 6 miles South of Turlock.
Corrugated galvanized iron warehouse, 50x100.

Owner—State Land Settlement Board.
Farmstead Engineer—Max E. Cook, Turlock.

Contract Awarded. Sub-figures Being Taken.
FACILITY ADDITION Cost, \$75,000
EMERYVILLE, Alameda Co., Cal.
Harlan and Park Streets.
One-story reinforced concrete factory building (addition to present plant).

Owner—Western Canning Co., Frem.
Architect—None.
Contractor—P. J. Walker, Co., Mo-madnock Bldg., San Francisco.

Plans Being Prepared.
MILL Cost, \$1,000,000
STOCKTON, San Joaquin Co., Cal.
Church St. bet. McDougall and Stockton Sts.
Fireproof mill (addition to present plant).
Owner—National Paper Products Co., Premises.
Architect—Architectural Department of Owner.

It is planned to start construction this Spring.

To be done by Day Labor and Sub-Contract.

CANNERY Cost, \$—
SAN LEANDRO, Alameda Co., Cal.
Alvarado St. bet. Parrott and Thornton Sts.

One-story Heath tile cannery, 300x75, and one-story boiler room, 60x25.
Owner—San Leandro Canning Co. (L. J. and J. C. Toffelmier and L. Perillo)
Architect & Supt. of Constr.—Leonard B. Thomas, Russ Bldg., San Francisco.

The foundation has been completed. Tile will be supplied by the California Brick Co. and the lumber by the Van Arsdale-Harris Lumber Co.

The roof will be supported by wooden columns.

Figures for the erection of the tile walls and concrete floors will be called for later.

Plans Being Re-Figured.
WAREHOUSE Cost, \$—
OAKLAND, Alameda Co., Cal. 40th and Diamond Streets.

Six-story reinforced concrete warehouse (flat slab type).
Owner—Student Express Co.
Architect—Jas. W. Plachek, 2014 Shattuck Ave., Berkeley.

Plans Being Prepared. To be done by Days Labor and Sub-contracts.

FACTORY. Cost, \$—
LOS ANGELES. 14th and McGarry Sts.
Three-story Class "C" brick warehouse and factory (60x126).
Owner—Robertl Bros.

Architect—J. M. Cooper, Marsh-Strong Bldg., Los Angeles.

BAKERSFIELD, Kern Co., Cal.—The San Joaquin Light & Power Corporation, 1801 Tulare St., Fresno, will expend \$1,000,000 at once for construction of an addition to its natural gas and oil burning steam plant in Bakersfield in order to utilize some of the natural gas now going to waste in the new Elk Hill territory. A. G. Wishon is general manager.

VISALIA, Tulare Co., Cal.—The California Packing Corporation will spend \$180,000 remodeling and re-equipping

the plants of the Central California Cannery and the California Fruit Canners Association in Visalia. Henry Holzwieser is manager of the last named branch of the corporation.

LODI, San Joaquin Co., Cal.—The Lodi Canning Co., Lodi, is planning the following improvements to its plant, the total cost of which is \$15,000.

The money will be spent as follows: Addition to the cannery, \$4,000; new boilers, \$1,000; warehouse, \$5,000; cooling plant, \$5,000; and garage, \$200.

FIREHOUSES AND JAILS

Preliminary Plans Prepared.
FIRE STATIONS Cost, \$12,000 each approximately.

PORTLAND, Ore. Various sections of the city.

Ten Fireproof Fire Stations.
Owner—City of Portland.
Designer—Lee Holden, Chief of Fire Dept., City Hall, Portland, Ore.

GARAGES

Plans to Be Prepared.
GARAGE. Cost, \$10,000
COLUSA, Colusa Co., Cal. NE Fifth and Oak streets.

Fireproof garage.
Owner—C. W. Merrill, Colusa, Cal. To be leased to E. A. Boyd.
Architect—Not given.

Owner Taking Sub-Figures.
GARAGE Cost, \$—
SAN FRANCISCO. N Washington St. W of Jones.

Two-story reinforced concrete garage.
Owner—J. Pasqualetti, Humboldt Bank Bldg., San Francisco.
Pierre Zucco, 168 Geary St., is preparing the engineering plans.

GOVERNMENT WORK AND SUPPLIES

SEATTLE, Wash.—Bids will be received by the General Purchasing Agent of the Alaskan Engineering Commission, Seattle, up to 11 A. M., January 19th, under Circular No. 397 for furnishing and delivering locomotives, wreckers, ditcher and aerial tramways.

Copy of official call for bids may be seen at this office.

PANAMA CIRCULAR 1324—Panama Canal, Washington, D. C. Office of the General Purchasing Officer.—Bids are wanted until January 9, circular 1324, for furnishing bronze, cast iron pipe, wrought iron pipe, steel pipe, lead pipe, steel tubing, brass tubing, copper tubing, copper pipe, track spikes, track bolts, nails, chain, steel rope, steel wire, copper screening, pipe fittings, cocks, valves, scythe blades, drills, files, hammers, bolt cutter jaws, pliers, machetes, reamers, spades, taps, wrenches, bed casters, salt bricks, flange bricks, horseshoe gloves, rubber boots, rubber tubing, Manila rope, oakum, calking cotton, steam packing, ships felt, cork board, roofing cement, lime, pitch and paper. For information address above.

SAN DIEGO, Cal.—Lange & Bergstrom, Timken Bldg., San Diego and Sharon Bldg., San Francisco, submitted the lowest bid at \$209,000 to the Pub-

lie Works Officer, Twelfth Naval District, Timken Bldg., San Diego, for constructing a reinforced concrete central building at the marine base on Dutch Flats, San Diego. The Kerr Construction Co., submitted the only other bid at \$221,888. No bids were received at Washington.

WASHINGTON, D. C.—Bids received under Bureau of Yards and Docks Specification No. 2932 for electric lighting and power system in structural shop at Mare Island, Calif., Navy Yard, have been rejected. The low bid for the work was submitted by The Carleton Mace Engineering Co., of Boston at \$48,000, limit 120 days.

SUPPLIES FOR THE NAVY—Navy Department, Bureau of Supplies and Accounts, Washington, D. C.—Sealed bids will be received here for furnishing supplies under schedules as follows: (Closing date noted at end of each paragraph.)

Schedule 4701, for eastern and western yards, miscellaneous carbon and tungsten tool steel, opening of January 13.

Schedule 5234, for Mare Island, 2 air compressors, opening of January 16.

Schedule 5247, for Mare Island, 2 filament heating furnaces, opening of January 13.

Schedule 5248, for Mare Island, 1 plate furnace with blower, opening of January 13.

Schedule 5249, for Mare Island, 1 angle furnace, opening of January 13.

Schedule 5256, for eastern and western yards, miscellaneous hose expanders, opening of January 2.

Schedule 5264, for eastern and western yards, miscellaneous carbonite blocks and rods, opening of January 16.

Schedule 5265, for eastern and western yards, welding flux and welding rod and wire, opening of January 16.

Schedule 5266, for eastern and western yards, cutting and welding torches, igniters and tips, opening of January 16.

Schedule 5267, for eastern and western yards, cutting and welding regulators, opening of January 16.

Schedule 5269, for eastern and western yards, 294 goggles, opening of January 16.

Schedule 5273, for eastern and western yards, electric soldering irons, opening of January 13.

Schedule 5274, for eastern and western yards, soldering coppers and soldering pots, opening of January 16.

Schedule 5275, for eastern and western yards, C clamps, breast drills and file handles, opening of January 16.

Schedule 5276, for eastern and western yards, scratch awls, 1,532 machinists' chisels, 1,173 nail pullers, rivet sets and headers, ship scrapers and 81 blacksmiths' tongs, opening of January 16.

Schedule 5278, for eastern and western yards, chain hoists, opening of January 16.

Schedule 5279, for Puget Sound, 36 chain hoists, opening of January 20.

Schedule 5286, for Mare Island, 15,000 square feet wire cloth, opening of January 13.

Schedule 5287, for Mare Island, miscellaneous nickel chromium wire, opening of January 13.

Schedule 5288, for Mare Island, miscellaneous radio equipment, opening of January 13.

Schedule 5289, for Mare Island, 2,100 pounds seamless copper tubing, opening of January 13.

Schedule 5291, for Mare Island, 3,500 feet creosoted piles, opening of January 16.

For further information address the bureau of supplies and accounts, Navy Department, Washington, D. C.

Preliminary Plans Being Prepared.

STOREHOUSE Cost, \$50,000
MARE ISLAND, Cal. Near Causeway.
Storehouse (Type of Construction Not Decided.)

Owner—United States Government,
(Navy Dept.)

Architect—Public Works Office, Mare Island.

The Navy Department has requested the Public Works Office of Mare Island to submit estimates on the construction

The storehouse will be for the storage of rope and cordage and is in addition to the one recently authorized by the Department for the storage of transcontinental freight to the yard via the causeway.

It has not been decided whether the work will be done by contract or force account.

SEATTLE, WASH.—Bids will be received by the General Purchasing Agent, Alaskan Engineering Commission, Seattle, Wash., up to January 5th, 11th A. M., for furnishing Mazda lamps, miscellaneous electrical supplies, copper wire, packing and I-beams under Circular No. 396.

Copy of official call for bids on file in this office.

HALLS AND SOCIETY BUILDINGS

To be Done by Sub-Contracts.

Y. M. C. A. BLDG. Cost, \$200,000
POMONA, Los Angeles Co., Cal.

Three-story and basement brick and terra cotta Y. M. C. A. Building, 160 x 122.

Owner—Y. M. C. A.

Architect—Robert H. Orr, 1301 Van Nuys Bldg., Los Angeles.

Excavation will be started this week.

Plans Being Prepared.

LODGE HALL, ETC. Cost, \$50,000
BEND, Oregon.

Fireproof lodge hall and stores.

Owner—Elks' Lodge of Bend.

Architect—Lee Thomas, Bend, Ore.

Plans Complete. Ready for Figures
Next Month.

LODGE & OFFICE BLDG.

Cost, \$250,000 or more.

MODESTO, Stanislaus Co., Cal. 11th and "I" Streets.

Five-story Class "A" reinforced concrete lodge and office building with roof garden.

Owner—Moose Lodge.

Architects—J. J. Donovan, Perry Bldg., Oakland, and A. J. Mazurette of Modesto, Associate.

Completing Plans.

CLUB HOUSE Cost, \$—
LOS ANGELES, W. of Le Brea Blvd. and N of Temple Street.

Frame and stucco club house.

Owner—Wilshire County Club.

Architects—Hunt & Burns, Laughlin Bldg., Los Angeles.

Plans to be Prepared. Bonds Voted.
HALL Cost, \$30,000

LINCOLN, Placer Co., Cal.

One-story fireproof (probably tile) community hall.

Owner—City of Lincoln. Mark Thompson, Mayor.

Architect—Not Yet Selected.

Prepared Sketches Awaiting Approval.
LODGE AND STORE Cost, \$75,000

PORTERVILLE, Tulare Co., Calif.

Main street.

One and Two-story and base. Brick or concrete lodge and store (110 ft. frontage)

Owner—Elks' Lodge of Porterville.

Architect—M. P. Renfro, Porterville, Calif.

LODI, San Joaquin Co., Cal.—Lodi Knights of Pythias, has instructed their trustees, W. C. Brown, E. H. Stark and E. L. Weaver, to purchase the Ritchie property on West Pine street for the site on which a modern lodge building will be built in the near future.

COLUMBIA, Colusa Co., Cal.—Several sites are being considered by the Colusa Parlor, No. 69, Native Sons of the Golden West, on which it is planned to erect a lodge building.

It is planned to erect a modern three-story building with stores on the ground floor and apartments and lodge rooms on the upper floors.

WOODLAND, Yolo Co., Cal.—From present indications a successful campaign is being made to raise \$20,000 with which to finance construction of a memorial building which will house Woodland Post, No. 77, American Legion.

HOSPITALS

Plans Being Prepared.

HOSPITAL

Cost, \$—

BURNS, Oregon.

Three-story and basement fireproof hospital, 38x38.

Owner—St. Charles Hospital (to be operated by the Sisters of St. Joseph of Tipton, Indiana).

Architect—Lee Thomas, Bend, Ore.

(1185x9) 1st report May 5, 1917.

Plans Being Prepared.

HOSPITAL

Cost, \$65,000

BEND, Oregon.

Fireproof hospital group.

Owner—St. Charles Hospital (To be operated by the Sisters of St. Joseph of Tipton, Indiana).

Architect—Lee A. Thomas, Bend, Ore.

Contract Awarded.

HOSPITAL

Cost, \$21,000

LOS ANGELES, 127 S. Utah St.

One-story hollow tile and frame hospital.

Owner—Maternity Cottage and Homeopathic Hospital.

Architect—Hunt & Burns, Laughlin Bldg., Los Angeles.

Contractor—Davidson Construction Co., 1445 E. 16th St., Los Angeles.

OAKLAND, Cal.—The following bids were received December 22nd by the Alameda County Supervisors, Geo. E. Gross, Clerk, for the construction of the first unit of the Class "A" Highland Hospital to be erected at 14th Ave. and E-27th St., Oakland. The buildings included in this unit are two dormitories and the service building with connecting corridors.

Henry H. Meyers, Kohl Bldg., San Francisco, is the architect.

All bids are over the appropriation and what action will be taken is to be decided at the next meeting of the Board.

Clinton Constr. Co., 140 Townsend St., San Francisco, \$346,000.

Robert Frost, San Francisco \$548,780

K. E. Parker, San Francisco, \$565,000
Meleran & Peterson, San Francisco, \$568,600.

SALINAS, Monterey Co., Cal.—On recommendation of the County Grand Jury, through its yearly report, it is probable that the construction of a new county hospital will be undertaken in the immediate future by the Supervisors. The report declares the present structures "to be in poor condition."

T. P. Joy is County Clerk.

HOTELS

Plans to be Prepared.

HOTEL Cost, \$125,000
WILLIAMS, Colusa Co., Cal.
Three-story fireproof hotel.
Owner—E. A. Brim, Williams, Cal.
Architect—None.

SANTA CRUZ, Santa Cruz Co., Cal.—Architects O'Brien Bros., 240 Montgomery St., San Francisco, have awarded the following sub-contracts in connection with the extensive alterations to the Hotel St. George at Santa Cruz: **Galvanized iron work** to O. E. Newhall, 268 Pacific Ave., Santa Cruz. **Window bars** to Kawneer Mfg. Co., San Francisco.

LIBRARIES

Figures to be Called for Next Week.

LIBRARY Cost, \$45,000
SAN FRANCISCO, W. Powell Street, bet. Washington and Jackson Sts.
One-story reinforced concrete and brick library.
Owner—S. F. Library Trustees.
Architect—G. A. Lansburgh, 709 Mission St., San Francisco.

Figures to be Called for Next Week.

LIBRARY Cost, \$45,000
SAN FRANCISCO, N. Sacramento St., bet. Baker and Lyon Sts., 117x225.
Two-story brick and concrete library (Presidio Branch).
Owner—S. F. Library Trustees Carnegie Fund.
Architect—G. A. Lansburgh, Gunst Bldg., 709 Mission St., San Francisco.

POWER PLANTS

Plans Being Figured.

ADDITION Cost, \$—
HOLLYWOOD, Los Angeles Co., Cal.
No. 1437 North Grover St.
Three-story and basement brick and frame addition to sub-station.
Owner—Pacific Telephone & Telegraph Company.

Architect—Eng. Dept. of Owner, Shelton Bldg., San Francisco.
Mr. E. V. Colby, Building Engineer, is taking the figures from Southern contractors and expects to award a contract within a week.

PUBLIC BUILDINGS

Plans Being Prepared.

MEMORIAL BUILDING Cost, \$—
CARSON CITY, Nevada.
State Memorial Building.
Owner—State of Nevada.
Architect—F. J. De Longchamps, State Architect, Gazette Bldg., Reno, Nevada.

Plans Being Figured. Bids Close Jan. 7, 1920.

ALTERATIONS Cost, \$4,000
OROVILLE, Butte Co., Cal.

Alterations in Courtroom of Court-house.

Owner—Butte County.

Architect—Chester Cole, Chico, Cal.

On account of an error in the advertisement of "Notice to Contractors," bids were not opened on December 22d.

SANTA ROSA, Sonoma Co., Cal.—Plans for the establishment of a union railroad station are being formulated by the Northwestern and Southern Pacific Companies. The erection of a modern station in this city has been contemplated for some time and it is thought that a favorable decision for the station will be made before the first of the year.

SEATTLE, Wash.—Following is a list of low bids for the erection of the "Hall of Philosophy," a three-story fireproof structure on the University of Washington campus from plans prepared by Architects Bebb & Gould, Seattle:

General Contract.

Hanson Construction Co. \$244,539

Electric Work.

R. R. Lang Co. Tacoma \$11,760

Hardware.

Seattle Hardware Co. \$3,419

Painting.

Atlas Painting Co. \$5,744

As bids exceed the estimate of the architects it is probable that they will be rejected.

EUREKA, Nevada.—John E. Sexton, General Manager of the Eureka-Nevada Railway, is in this city completing details preparatory to commencing the erection of a new railroad depot, waiting station and freight house, all to be housed in the one structure.

Construction will be handled by C. T. Delaney of Eureka, who will also prepare the necessary plans.

PETALUMA, Sonoma Co., Cal.—No bids were received by the City Council, Lyman Green, City Clerk for furnishing labor and materials for additions and alterations to the Corporation Building at the rear of the City Hall, and the work has been indefinitely postponed.

RESIDENCES

SAN FRANCISCO.—The Folsom Street Iron Works, 18th and Treat avenue, have been awarded the contract for the ornamental iron work in connection with the residence under construction for Miss E. J. Booth at the southwest corner of Clay and Laguna streets. The work includes nine elaborate ornamental iron balconies, grilles, main entrance door, ornamental fire escapes, window guards, fence work and garage gates.

Plans were prepared by Architect Henry C. Smith, Humboldt Bank Bldg.

Contract Awarded.

BUILDING Cost, \$—

SAN FRANCISCO, Harrison, Harriet

and Columbus Square.

One-story reinforced concrete building.

Owner—Louis R. Lurie.

Lessee—Holbrook, Merrill & Stetson.

Architects—Ward & Blohme, 454 California, San Francisco.

Contractor—Barrett & Hild, Sharon

Bldg., San Francisco.

FRESNO, Fresno Co., Cal.—A committee has been appointed by the Fresno Chamber of Commerce to investigate the offer of Contractors Trehwitt-Shields, Rowell Bldg., Fresno, to carry on a housing campaign in connection with the Chamber whereby houses could be built at actual cost, they to handle the material in large quantity and buy through local dealers carload lots, reducing the cost to the purchaser.

The following is the committee appointed: Frank Minard, F. J. Craycroft, A. Bernhauer, Ed. Hewson, H. P. Billings, A. B. McWhirter and Roy Pulliam.

Plans Being Prepared.

RESIDENCE Cost, \$8,000

BERKELEY, Alameda Co., Cal. Plaza Drive, Claremont Court.

One-story and basement frame residence (Colonial Style) 7 rooms and garage for 2 cars.

Owner—Withheld.

Architect—Jas. W. Plachek, 2014 Shattuck Ave., Berkeley.

Preliminary Plans Being Prepared.

MEMORIAL BLDG. Cost, \$2,000,000

SAN FRANCISCO, Civic Center.

Steel and granite memorial building.

Owner—War Veterans' Memorial Association, Louis A. Colton of Zellerbach Paper Co., President and Chauncey McGovern, Secretary, 819 Hearst Bldg., San Francisco.

Architects—Glass & Butner, Hearst Bldg., San Francisco.

LOS ANGELES, Cal.—Officials of the Goodyear Tire & Rubber Co. have approved landscape plans and preliminary plans for the houses to be erected at Goodyear Gardens and have instructed Architects Hunt & Burns, 701 Laughlin Bldg., Los Angeles, to complete working plans for the buildings to be erected to house the employees of the factory. The plans include 750 dwellings to be erected on the Goodyear property, formerly Ascot Park. These houses will be of frame and plaster construction. About fifty buildings, including dwellings, store buildings apartment and rooming houses, will be erected on adjoining property. These will be of frame construction.

SCHOOLS

MARYSVILLE, Yuba Co., Cal.—The Honcut and Woodruff School Districts of Yuba County have consolidated and preparations are being made to erect a modern two-room school building.

Miss Jennie Malaley is County Superintendent of Schools.

Preliminary Plans Approved.

ADDITION Cost, \$30,000

DINUBA, Tulare Co., Cal.

One-story brick addition to grammar school (4 class rooms).

Owner—El Monte Grammar School District.

Architects—Glass & Butner, Cory Bldg., Fresno.

Plans Being Prepared. Bonds to be Voted.

ADDITION Cost, \$75,000

SUSANVILLE, Lassen Co., Cal.

Two-story and basement concrete or native stone addition to school.

Owner—Susanville High School District (David M. Durst, Principal).

Architect—Ralph D. Taylor, Susanville.
The addition will contain nine class rooms, gymnasium, 50x80, swimming pool, hot and cold showers, boys' and girls' locker rooms, etc.

Contract Awarded.
SCHOOL. Cost, \$1,825
KNOWLES, Madera Co., Cal.
Granite school building.
Owner—Knowles School District.
Contractor—Birnie, Zaniora & Richards Knowles, Cal.

Plans Being Figured. Bids Close Jan 2, 10 A. M.
ADDITION. Cost, \$150,000
SEATTLE, Wash. West 80th Street.
Two-story and basement fireproof school addition (11 class rooms, auditorium and play courts).
Owner—Seattle School District No. 1.
Architect—F. A. Naramore, City School Architect, City Hall, Seattle.

ORLAND, Glenn Co., Cal.—An addition for the Orland High School is planned by the Trustees of the District. It is estimated the addition will cost \$20,000, funds to be secured through a bond issue.

Plans will be prepared by W. H. Weeks, 75 Post St., San Francisco.

SACRAMENTO, Cal.—The City Board of Education has ordered the addition of two rooms to the temporary bungalow school at the Highland Park School.

Chas. C. Hughes is Superintendent of Schools.

STORES AND OFFICES

Plans Being Prepared.
FILM EXCHANGE BLDG. Cost, \$—
SAN FRANCISCO. Golden Gate Ave. and Leavenworth Street.

Three reinforced concrete film exchange buildings (1 3-story and 2 2-story).

Owner—Louis R. Lurie.
Architect—Albert Schroeffer, 110 Sutter St., San Francisco.

Plans Being Prepared.
AUTO SALES BLDG. Cost, \$—
SAN FRANCISCO. Washington Street bet. Van Ness Ave. and Franklin St.

Two-story reinforced concrete auto sales building.

Owner—Louis R. Lurie.
Architects—Ward & Blohme, 454 California St., San Francisco.

LOS ANGELES, Los Angeles Co., Cal.—Gladding, McBean & Co., Crocker Bldg., San Francisco, have been awarded the contract for furnishing the terra cotta for the 12-story Class A office building to be erected at the northeast corner of Sixth St., and Grand Ave. for the Pacific Mutual Life Insurance Co. This is said to be the largest order for terra cotta ever placed for a Southern California building. W. J. Dodd, architect; William Richards, engineer, 905 Brack-Shops Bldg., Los Angeles, prepared the plans.

Contractors Taking Sub-Figures.
ADMINISTRATION BLDG.

Cost, \$300,000
RICHMOND, Contra Costa Co., Cal.

Three-story and basement Class "A" reinforced concrete administration building.

Owner—Standard Oil Co.
Architect—Geo. W. Keiham, Sharon Bldg., San Francisco.
Contractor—T. J. Walker Co., Monadnock Bldg., San Francisco.

Plans Being Prepared.
OFFICE BLDG., ETC. Cost, \$—
EMERYVILLE, Alameda Co., Cal.
Three-story mill constructed warehouse, 200x60 and two-story brick office building.

Owner—Sherwin & Williams, 454 2nd St., San Francisco.

Architect—Eng. Dept. of Owners.
Construction will be started in January.

Plans To Be Prepared.
ADDITION. Cost, \$—
SANTA ROSA, Sonoma Co., Cal. "B" street.
Addition for department store (60x200).
Owner—M. Rosenberg, 511 "B" St., Santa Rosa.

Bldg. Permit Granted.
STORES. Cost, \$10,000
HANFORD, Kings Co., Cal. West 8th street.
Brick and concrete stores (50x110).
Owner—W. C. Gallaher, care Free Market, Hanford, Cal.
Architect—Not given.

Contract Awarded.
STORE. Cost, \$20,000
VISALIA, Tulare Co., Cal. Near Elk's Hall.
One-story brick store with cold storage plant.
Owner—R. E. Hyde and R. F. Cross.
Lessee—Howard G. Parish.
Architect—Not Given.
Contractor—Trewitt & Shields, Rowell Bldg., Fresno.

Contract Awarded on a Percentage Basis.
OFFICE BLDG. Cost, \$750,000
LOS ANGELES. W Side Spring Street, bet. 6th and 7th Streets.
Thirteen-story Class "A" reinforced concrete office building, 70x137.
Owner—Thos. Story.
Architects—Morgan, Walls & Morgan, 1124 Van Nuys Bldg., Los Angeles.
Contractor—Earl B. Newcomb, 651 So. Hill St., Los Angeles.
The Los Angeles Stock Exchange will occupy the ground floor; the upper

Plans Completed.
MARKET. Cost, \$—
SAN FRANCISCO. Meiggs Wharf Foot of Leavenworth Street.
One-story frame and plaster fish market.

Owner—State Board of Harbor Commissioners.
Engineer—Frank White, Ferry Bldg., San Francisco.

Plans Being Prepared.
BANK & OFFICE BLDG. Cost, \$—
FRESNO, Fresno Co., Calif. J and Mariposa streets.
14-story Class "A" Bank and Office Building, 80x70 feet.

Owner—Bank & Trust Company of Central California, Burton Epstein,


Fres., Mariposa and J Sts., Fresno.
Architect—Withheld until plans have been completed.

Plans for temporary quarters to be maintained until the completion of the new structure have been completed by Architects Coats and Traver, Rowell Bldg., Fresno, this work to cost about \$20,000.

Plans to be Prepared.
BUILDING. Cost, \$—
OAKLAND, Alameda Co., Cal.
Two-story reinforced concrete auto-sales building, 100x140.
Owner—Withheld.
Architect—Wm. Wilde, Nevada Bank Bldg., San Francisco.

THEATRES

Plans Being Prepared.
THEATRE. Cost, \$125,000
VISALIA, Tulare Co., Cal. Locust and Acequia Streets.
Fireproof theatre.
Owner—Crescent Theatre Co., Pantages Theatre Bldg., San Francisco
Architect—A. W. Cornelius, Merchants National Bk. Bldg., San Francisco.



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ENGINEERING

BRIDGES, DAMS & HARBOR WORK

FRESNO, Fresno Co., Cal.—Bids will be received by the County Supervisors, D. M. Barnwell, County Clerk, up to January 9th, 3 P. M. for the construction of wooden highway bridges, located as follows:

Three-quarters of a mile SW of Firebaugh, 90 feet long; and three structures located at 4 miles SE of Coalinga, 100, 50 and 35 feet in length, respectively; and the Derrick boulevard bridge.

Chris P. Jensen is County Highway Engineer.

RED BLUFF, Tehama Co., Cal.—Bids received by the County Supervisors, H. G. Kuhn, County Clerk, for the proposed Dry Creek bridge have been rejected. The low bid submitted was \$12,480 while the amount available for construction was \$11,500.

It is probable that plans will be revised and new bids called.

LOS ANGELES, Los Angeles Co., Cal.—The United Dredging Co., Central Bldg., Los Angeles, was awarded the contract by the County Supervisors for the timber work on the Seventh street, Ocean Boulevard and Anaheim street bridges over the flood control channel at Long Beach at its bid of 18c lin. ft. for driving piles plus 50c each for cutting and \$22.50 per thousand ft. B. M. for placing creosoted lumber and \$15 per thousand for placing untreated lumber. The Anaheim St. bridge will be an all-timber bridge. The county will furnish piles, lumber, bolts and nails. The Seventh St. and Ocean Blvd. bridges will be combination steel and timber structures. The contract for the structural steel was awarded to C. W. Beverstock, 3710 S. Alameda St., Los Angeles, at \$94,666 for the Ocean Blvd. bridge and \$36,800 for the Seventh St. bridge. J. W. Reagan, chief engineer of flood control district.

IRRIGATION PROJECTS

A. P. T. Elder, retired multi-millionaire publisher and art collector of New York, has announced that he is backing a movement for one of the biggest irrigation dams in the West, which will bring water to 200,000 acres of land in El Dorado and Amador Counties, utilizing the water of Consumes River now going to waste. New York engineers are now at work on the plans. The work calls for the expenditure of \$20,000,000 and will provide for the construction of a dam with a capacity of 200,000,000 gallons.

SACRAMENTO, Cal.—The State Reclamation Board is considering plans and specifications, estimates of costs, etc., to complete work in Reclamation District No. 784 in Yuba County.

Thos. Mayhew is Secretary of the Reclamation Board.

MARYSVILLE, Yuba Co., Cal.—Bids will be received by the Board of Directors of the Cordua Irrigation District, Ellis Block, Marysville, up to January 10th, 10 A. M., for the construction of a main irrigation canal approximately six miles in length requiring approximately 25,000 cubic yards of excavation and 10,000 cubic yards of embankment, together with the installation of necessary drainage culverts.

Separate bids will be received on the same date for the construction of No. 1. One semi-circular metal flume, approximately 3100 feet long and approximately 76.4 inches in diameter, supported on a wooden sub-structure on concrete footings with reinforced concrete inlets and outlets for the same.

(No. 2). One semi-circular metal flume, approximately 1050 feet in length and approximately 76.4 in diameter, supported on a wooden sub-

structure on concrete footings with reinforced concrete inlets and outlets for the same.

Plans may be seen at the office of the Board, Ellis Block, Marysville. Warren Steel is Secretary.

COLUSA, Colusa Co., Cal.—The petition for an election to form a reclamation district for drainage purposes in the Upper Colusa Basin has been granted by the Supervisors and the district is to be known as the Colusa-Glenn Irrigation District.

The election will be held January 20th.

NEWPORT BEACH, Orange Co., Cal.—Engineer Paul E. Kressly of Newport Beach, has been retained by the Newport Heights Irrigation District to design and supervise the construction of a pumping plant, force mains, reservoirs and distributing system for which bonds to the amount of \$160,000 have been voted. The work will be rushed and bids will probably be called for in about two months.

LIGHTING SYSTEMS

WOODLAND, Yolo Co., Cal.—The installation of a pipe steel welded line from Sacramento to Woodland, via Davis, estimated to cost \$150,000, has been ordered by the Pacific Gas & Electric Company which plans the razing of its present gas plant in Woodland. Work will be done by the gas company.

SAN LEANDRO, Alameda Co., Cal.—The City Trustees, J. J. Gill, City Clerk, have awarded a contract to the Municipal Improvement Co., 357 12th St., Oakland, for the installation of reinforced concrete lighting posts in East Fourteenth street on a bid of \$98.60 per post.

MACHINERY

ANTIOCH, Contra Costa Co., Cal.—No bids being received at the last meeting of the City Trustees for sinking wells, J. E. McElheney, City Clerk, was instructed to call new bids up to 8 P. M., January 12th, bidders to specify the rate per foot for sinking wells and agree to sink either one or two as directed by the Superintendent of Streets, and shall also agree to sink said wells to such depth as shall be ordered by the Superintendent. All bids shall include the cost of casing installed.

MONTEREY, Monterey Co., Cal.—Bids will be received by City Clerk Archie Kay, up to 7 P. M., January 6th, for supplying a road grader, described as follows: Straight frame, standard make, fitted with seven foot reversible blade and concave wheels, the weight of such grader to be not over 2800 lbs., and not less than 2400 lbs.

Certified check of 10% payable to Mayor of Monterey must accompany each bid.

MODESTO, Stanislaus Co., Cal.—The City Engineer has been instructed to prepare specifications for sinking Well No. 6, in the northern section of the city.

SEWERS, STREET WORK, ROADS AND WATER SYSTEMS

RENO, Nevada.—The City Council, Jas. J. Burke, City Clerk, has declared its intention of levying assessments to grade and pave, with concrete, bitumen, or asphalt, construct granite header stone along portions of the following streets:

First Ward.

To grade and pave or surface with concrete, Lander street from California avenue to Taylor street.

West one-half of South Virginia street from California avenue to the South City boundary line.

Court street from the West line of South Virginia St. to the West line of Lee avenue.

Second Ward.

To grade and pave or surface with asphaltum pavement West one-half of Sierra street between West Second streets and the South line of First street.

Third Ward.

To grade and pave or surface with asphaltum pavement:

East one-half of Sierra street between West Second and First streets.

First street from Sierra street to the Alley in Block V, Reno Townsite.

Front street from Center street to Lake street.

Lake street from Second to Front streets.

East Second street from Lake street to a point 160 feet East from Lake street.

B.—To grade and pave or surface with concrete pavement the following alleys in the Third Ward:

Alley in Block X in Reno Townsite, running from East Second street to Front street.

All alleys in Block R, Reno Townsite.

Fourth Ward.

To grade and pave or surface with concrete pavement:

East Fourth street from Morrill avenue to the East City boundary line.

Morrill avenue to the East City boundary line.

North Center street from East Fourth St. to the University of Nevada gates.

East Fourth St. to the University of Nevada gates.

B.—To grade and pave or surface with asphaltum pavement, the following streets, in the Fourth Ward:

Plaza St. between North Center St. and the West line of Evans Ave.

Lake St. from East Fourth St. to the North line of Plaza St.

North Virginia St. between Plaza St. and the North track of C. P. R. R.

C.—To grade and pave or surface with concrete pavement, the following alley in the Fourth Ward:

Alley in Block H from the East Fourth St. South to alley running East and West in Block H.

To construct granite header stone in front of or abutting on the following described lots or premises:

South side of Plaza St. between Center and Lake St., Plaza St., 300 feet, C. P. R. R., Owner.

South side of Plaza St. between Lake St. and Evans Ave., Plaza St., 300 feet, C. P. R. R., Owner.

Fifth Ward.

To grade and pave or surface with concrete pavement:

West Third St. from Sierra St. to the West city boundary line.

Sixth Ward.

To grade and pave or surface with concrete pavement:

East one-half of South Virginia St., from California Ave. to the South City boundary line.

Mill St. from South Virginia to Truckee St.

Stewart St. from South Virginia St. to Wheeler Ave.

Scott St. from the Scott St. bridge to Park St.

High St. from Scott St. to Ryland St. Ryland St. from High St. to Wheeler Ave.

Wheeler Ave. from Ryland St. to Stewart St.

OAKLAND, Cal.—The City Council, L. W. Cummings, City Clerk, has passed a resolution of intention providing for the improvement of Octavia street from the southwest line of Penniman avenue to the northeast line of Allendale avenue by grading; constructing concrete curbs; gutters and sidewalks and paving with an oil macadam.

Being Done by Days Labor. Cost, \$90,000.

OAKLAND, Cal. Berkeley Hills. Pre-cast reinforced concrete lining in tunnel.

Owner—Oakland, Antioch & Eastern Railway Co., 22nd and Grove Sts., Oakland.

Engineer—Pierre Zuoco, 166 Geary St., San Francisco.

The owners are purchasing all materials.

OAKLAND, Cal.—Bids will be received by City Clerk L. W. Cummings, up to 12 M., January 8th, for the improvement of 35th avenue from the southwest line of East Tenth street from a line at a point in 35th avenue distant 207.7 feet southwest from East Tenth streets to a point on the northwest line of 35th avenue distant 197.4 feet southwest from the southwest line of East Tenth street by grading; constructing cement concrete curbs, gutters and sidewalks, and paving with an oil macadam.

Plans Being Prepared. Ready for Figures in a Week.

STORE Cost, \$—

MERCED, Merced Co., Cal.

Two-story brick general mercantile store building.

Owner—Withheld.

Architect—C. A. Meussdorffer, Humboldt Bank Bldg., San Francisco.

Figures will be taken for a general contract.

SAN FRANCISCO.—Jas. Currie, 3120 Balboa St., San Francisco, has the contract for the 200x760 ft. addition to the National Cemetery at the Presidio. Work includes clearing, grading, roads and stone walks. Contract price \$7,994.

WOODLAND, Yolo Co., Cal.—The Yolo County Supervisors are considering the establishment of a county cement plant. Supervisor Stitt, Chairman of the Board, has made investigations of land in the Capay Valley District and is

of the opinion that suitable material for the manufacture of cement can be found.

OAKLAND, Cal.—The following bids were received December 22nd by the Alameda County Supervisors, Geo. E. Gross, Clerk, for the construction of a fire protection system for the Arroyo Sanatorium, near Livermore;

Scott Co., San Francisco.	\$14,236.00
C. A. Bruce.....	14,660.00
Burnham Plumbing Co..	14,747.00
Schultz Constr. Co.....	14,849.80
Carl T. Doell.....	16,492.79
Michel Murphy.....	19,967.00

FRESNO, Fresno Co., Cal.—Bids will be received by the County Supervisors, D. M. Barnwell, County Clerk, up to January 13th, 3 P. M., for the construction of three feeder roads, mileage about 10.80, in the Coalinga district leading from various sections of the oil fields direct to the City of Coalinga. The work will be let in three contracts, officially designated as routes 31, 32, 33 of section A of the county highway system.

Bids will be asked for on four alternate specifications, the first two for cement concrete base of 1-3-6 mix, and the last two for black base or asphalt concrete. On the cement base two types of tops are proposed, Jensenite and Warrentite, and for the black base, Tokpeka and Warrentite.

In consonance with the specifications used on previous routes, the concrete base proposed is to be 5 inches in thickness, while the black base is to be 3½ inches in depth with a 1½-inch wearing surface.

Chris Jensen is County Highway Engineer.

MODESTO, Stanislaus Co., Cal.—County Supervisor C. R. Little is gathering data for the Wood Colony Center for the improvement of roads in that section.

Little proposes the construction of from 25 to 30 miles of lateral highways intersection and connecting with the present paved roads. An oiled rock construction was recommended as less expensive and more cheaply maintained than concrete or asphaltum. The cost is estimated at \$5000 per mile.

FRESNO, Fresno Co., Cal.—Bids will be received up to January 9th 2 P. M., by County Clerk D. M. Barnwell for the construction of County Highway Route 11, Section A and separate bids on the same date for Route 5, Section A.

Plans and further information may be had from Chris P. Jensen, County Highway Engineer, Cory Bldg., Fresno.

VALLEJO, Solano Co., Cal.—Bids will be received by Alf. E. Edgcombe, City Clerk, up to January 12th, 12 M., for the improvement of Hichborn St., from the center line of Sacramento St. to the center line of Wilson Ave., including crossings of Fremont and Carter Sts., and a portion of crossings of Wilson Ave. and Sacramento St. terminations of Hichborn and Baxter Sts., by grading; construction of Portland cement concrete curbs with galvanized steel corner bars; sidewalks 6 feet wide and 6 inches thick; laying an asphaltic compound and a concrete

pavement 5 inches thick, to be 24 feet in width.

The estimated quantities follow:
Excavation, 10,475 cu. yds.; curb bar, 430 lin. ft.; concrete curb, 4,940 lin. ft.; sidewalks, 29,640 sq. ft.; plain concrete pavement, 68,740 square feet; expansion joints (asphaltic compound) 3,000 lin. ft.; header boards, 60 lin. ft.

T. D. Kilkenny is City Engineer.

LONG BEACH, Los Angeles Co., Cal.—Fairchild-Gilmore-Wilton Co., Pacific Electric Bldg., Los Angeles, was awarded the contract at \$50,646.22 for paving with concrete base and bituminous protective curb Olive Ave. between Alamos Ave. and Tenth St., and Alamos Ave. between Ocean Blvd. and Broadway.

ARCADIA, Los Angeles Co., Cal.—Kleeseman & Elser of Arcadia, submitted the lowest bid for constructing a reinforced concrete reservoir for the municipal water system, their bid being (a) \$25,684 for reservoir requiring 8000 cu. yds. excavation, and (b) \$27,434 for reservoir with 10,500 cu. yds. excavation. Other bids received were: C. D. Soteras, (a) \$30,600; (b) \$31,575; Paul H. Ehlers, (a) \$31,500; (b) \$32,800; Bent Bros., (a) \$33,300; (b) \$34,650; Isidor Carroll, (a) \$34,900; (b) \$36,300; Thos. Haverly Co., (a) \$35,900; (b) \$36,900. The bids were taken under advisement by the City Trustees until the next meeting, December 22. The proposed reservoir will be 220 ft. long, 150 ft. wide and 12½ ft. deep, and will require 720 cu. yds. concrete, 32 tons reinforcing steel, 28,200 sq. ft. floor mesh and 66,000 ft. B. M. lumber for roof.

BRAWLEY, Imperial Co., Cal.—Construction work on the \$125,000 municipal water system for Brawley will be started in January. Two 100 h. p. engines have been purchased from the Western Machinery Co., two 100 h. p. motors and two 1800-gallon pumps from Fairbanks, Morse & Co., and pipe from the U. S. Cast Iron Pipe Co.

PASADENA, Los Angeles Co., Cal.—The City Water Department will spend \$150,000 in the next two months extending its service to the Annandale and San Rafael Heights sections. A reservoir to cost \$15,000 will be constructed on a hill on the west bank of the Arroyo and a booster pump will be installed to force water into the reservoir. The mains to be laid will cost about \$125,000. Samuel B. Morris is Chief Engineer of the water department.

VISALIA, Tulare Co., Cal.—Until 2 P. M., January 6, bids will be received by the Supervisors of Tulare County for constructing about miles of highway between Poplar and Woodville. Lawrence Moyer, County Surveyor.

YUBA CITY, Sutter Co., Cal.—The Directors of the Sutter County Farm Bureau will have a representative at the next meeting of the County Supervisors to urge the appointment of a county highway engineer.

Bonds for a system of highways have already been voted.

WOODLAND, Yolo Co., Cal.—After discussing the problem of increasing the city water supply the City Trustees are contemplating the purchase of a 200,000 gallon tank similar to the one now in use. Definite action is expected at the next meeting.

STOCKTON, San Joaquin Co., Cal.—Harry T. Crompton, for five years City Engineer of Stockton, has informed the City Council of his intention to resign the position, the first of the year, to enter private practice.

The Council has decided upon the appointment of Walter B. Hogan to fill the vacancy. Hogan has been in charge of San Joaquin County maintenance work for the past eight years.

EUREKA, Humboldt Co., Cal.—The City Council, J. P. Wunderlich, City Clerk, has passed a resolution of intention providing for the construction of wooden sidewalks, 12 feet wide in portions of Buhne street, Fairfield and Murray streets.

EUREKA, Humboldt Co., Cal.—The City Council has awarded a contract to Baker, Hamilton Pacific Co., 7th and Townsend streets, San Francisco, for furnishing and delivering a quantity of two-inch iron pipe for use of the municipal water department, the price being \$20.13 per hundred feet f. o. b. Eureka.

MONTEREY, Monterey Co., Cal.—The City Engineer has been instructed to prepare plans for a sewer in Lillie street and David avenue and for the improvement of Reeside avenue, Wave street and Ocean View avenue. Archie Kay is City Clerk.

LOS ANGELES, Los Angeles Co., Cal.—All bids received by the County Supervisors on December 1 for paving 5.62 miles of the Saugus-Ventura road, were rejected. Rogers Bros. Co. submitted the lowest bid at \$100,908.50. The estimated cost including 12,470 bbls. cement to be furnished by the company was \$120,000. The work will be done by the county by force account.

N. Y. BUILDERS FORM TRADE TRUCE.

NEW YORK.—A covenant to bring peace in the building trades in and around New York for at least a year has been signed by the Building Trades Employers' Association and the New York Building Trades Council. The latter organization represents forty-one unions.

A wage scale and working conditions are fixed and a board of arbitration named which shall make the final and binding decision in any dispute.

Building Resumes.

With the signing of the agreement the restraint against millions of dollars' worth of building activity was removed and relief from the present house shortage may be expected shortly.

The agreement was signed after a number of conferences between representatives of employers and the unions. It is effective only for 1920, but an agreement for 1921 is expected to be reached soon.

Under the agreement the working week is fixed at forty-four hours. Regular or consecutive overtime shall not

be worked unless permitted by a joint committee consisting of the chairman of the board of governors of the Building Trades Employers' Association and the chairman of the Building Trades Council. This will not militate against incidental overtime.

Strikes and lockouts are specifically forbidden, all differences being subject to the action of a board of arbitration. The employing of non-union men on jobs with union men shall, if found true, be considered justification for the union workmen to refuse to work on that job.

The board of arbitration will consist of five members of the executive committee of the board of governors of the Building Trades Employers' Association and five members of the executive committee of the Building Trades Council. Their decision shall be considered binding.

PLAN TO DRAIN THE PORT OF ACAJUTLA.

SAN SALVADOR, Republic of Salvador.—The National Board of Health has decided to undertake the work of draining the port of Acajutla, on the Pacific ocean 50 miles west of San Salvador, and a sanitary commission has already been sent there to study the situation. The drainage work will be inaugurated in the near future.

THE THOUGHTLESS COMMUTER.

California climate again! Fifty-seven hundred articles and one baby were left by thoughtless commuters on Southern Pacific ferryboats and trains during 1919.

Most of the articles were wraps and umbrellas, and the railroad offers the explanation that the climate makes people forget all about such things.

Concerning the baby, its young parents each thought the other had taken charge of the infant in making the change from train to boat. Frantic search ended in the disclosure that a brakeman had already "turned it in."

FORM COMPANY TO BUILD HOMES.

LINDSAY, Cal.—The Lindsay Community Development Company has organized with the following directors: G. V. Reed, president; Chester Dowell, vice-president; Van W. Tyler, G. H. Waddell and Avery J. Howe. L. S. White was appointed secretary; J. W. Irwin, treasurer, and A. M. Robertson, building superintendent. The company has been organized to meet the great need for houses in this city. It plans to build six houses at a time, varying in size and price, and dispose of them before others are begun. Arrangements may be made later to build houses for rent. Application has been made for approval of the plan and permission to sell stock, and it is expected that operations will commence shortly after the first of the year.

HOTEL AND DANCING PAVILION.

AVAILON, Los Angeles Co., Cal.—Wm. Wrigley Jr., president of the Santa Catalina Island Co., announces that a 60-room addition to the Hotel St. Catherine will be erected before the opening of the next season, June 15, 1920. The building is frame and plaster construction.

A frame dancing pavilion, 125x150

feet, with sun parlors and rest rooms will also be erected at Avalon. D. M. Renton, Superintendent of the construction for the company, prepared the plans and will erect the structures.

ACKNOWLEDGEMENT OF ORDERS IMPORTANT.

At best, it is two or three months from the date a letter is mailed in Penang until a reply can be received from the United States by post, even if mailed immediately, and the writer is entitled to an acknowledgement at the earliest possible moment. Consul George L. Logan, at Penang, reports that he saw a letter received by a Penang importer from an American export agency stating that certain merchandise, ordered almost a year before, would be shipped by the first available steamer. The customer of the importer, in the meantime, had canceled the order as nothing had been heard from it and he could buy elsewhere and get prompt delivery. In consequence of this the importer will have on his hands goods which were ordered on a special "indent."

BUSINESS OPPORTUNITIES.

Bay City Export Company, Mobile, Ala., wishes to get in touch with lumber companies in this State.

A. G. Kildson & Co., 2 Rector street, New York City, desires to secure a representative to handle the sale of a patented floor mop.

J. L. Hobbs, 1467 Fourth Street, San Diego, Calif., wishes to communicate with firms equipped to manufacture articles from sheet steel.

Geo. F. Smith Co., Franklin and Channing avenues, St. Louis, Mo., is in the market for sub-grading road machinery.

WATER POWERS IN SOUTHEASTERN ALASKA.

Systematic investigation of the water resources of Alaska was begun by the United States Geological Survey, Department of the Interior, in 1906 and has been carried on in one or another part of the Territory to the present time. This investigation was undertaken to supply the need for definite information in regard to the quantity of water available, for many uses, such as hyraulic, dredging, and supplying power for mines, canneries, and sawmills.

The investigation of the water resources of southeastern Alaska was begun by the Geological Survey in co-operation with the Forest Service in 1915 and was designed to determine both the locations of water-power sites and the possible water power available. Since then the Geological Survey has maintained a number of gaging stations in southeastern Alaska throughout the year and has installed other stations in co-operation with individuals and corporations. The records obtained at these stations in 1918 are contained in a report entitled "Water-Power Investigations in Southeastern Alaska" (Bulletin 712-B), by Geo. H. Canfield, which has been recently issued by the Geological Survey and can be obtained free of charge from the Director of the Survey at Washington.

CONTRACTS AWARDED

Liens, Acceptances, Etc.

BUILDING CONTRACTS

No.	San Francisco County	Contractor	Am't.
2795	Gibson	Owner	4000
2796	Hillard	Anslor	1950
2797	Andersou	Owner	1800
2798	Burbank	Wegner	3000
2799	Diplo	Owner	500
2800	Born	Owner	5500
2801	Children's Hspt.	Healing	5000
2802	Olsen	Olsen	12000
2803	Olsen	Olsen	4000
2804	Hartford	Barrett	1400
2805	Butcher	Owner	10000
2806	Ruggles	Heyer	2000
2807	Willits	Pasqualetti	9288
2808	Weissbein	Meyer	5300
2809	Oriental	Ludwig	900
2810	McFarland	Owner	24000
2811	Wilfert	Koenig	10000
2814	Hooper	Taylor	2585
2812	Peoples Ldy	Mulcahy	2194
2813	Gordon	Gordon	500
2815	Y M C A	Forbes	2700
2816	Bare	Kissel	1280
2817	Bare	Salanave	4690
2818	Galloway	Pasqualetti	500
2819	Edmonds	Adred	3000
2820	McCauley	Owner	500
2821	Tiegelser	Mager	3250
2822	Wilfert	Koenig	10170
2823	Same	Cramer	765
2824	Same	Mey	1284
2825	Joone	Vukicevick	960
2826	Coughlan	O'Neill	6000
2827	Nelson	Owner	3000
2828	S. F. Dairy	Britt	5000
2829	Ruggles	Heyer	20000
2830	Ruggles	354	354
2831	Ruggles	Moller	7277
2832	O'Brien	Barrett	17605
2833	Washborn	Orendorf	17000
2834	Mengola	King	500
2835	Hastings	Kulchar	5000
2836	Connolly	Glaser	1600
2837	Schmidt	Anderson	2378
2838	Hartford	Barrett	1392
2839	Weissbein	Meyer	6150
2840	Cal. Packing	Travia	2865

DWELLING

(2795) NW EIGHTH AVE. and Kirkham. One-story and basement frame dwelling.
Owner—R. N. Gibson, 119 Haight St., San Francisco.
Architect—J. C. Newsom, 1756 Broadway, Oakland, Cal. COST, \$1000

CHIMNEYS

(2396) NW LAUREL and Washington. Install 21 patent chimneys in apartment house.
Owner—C. J. Hillard, San Francisco.
Contractor—Alfred Henry Jacobs, French Bank Bldg., San Francisco.
Contractor—Anslor Sheet Metal Works, 25 Shotwell St., San Francisco. COST, \$1950

DWELLING

(2797) NW MONTCAIM and Peralta. One-story and basement frame dwelling.
Owner—K. Anderson, 204 Lee Ave., San Francisco.
Architect—None.
Day's work. COST, \$1800

ALTERATIONS

(2798) SE POST and Stockton. Rearrange interior for jewelry store.
Owner—Blanche M. Burbank, San Rafael, Calif.
Architect—Kenneth Macdonald, Jr., 234 Pine, San Francisco.
Contractor—Wegner & Bloch, 593 Market, San Francisco. COST, \$3000

REPAIRS

(2799) W RAILROAD 50 N Fairfax. Repair fire damage to present bldg.
Owner—John Diplo, 316 Railroad Ave., San Francisco.
Architect—None.
Day's work. COST, \$500

FRAME DWELLING

(2800) S SHOREVIEW 40 E 37th Ave. Two-story and basement frame dwelling.
Owner—A. Born Bldg. Co., 46 Kearny St., San Francisco.
Architect—Geo. A. Born, 46 Kearny St., San Francisco.
Day's work. COST, \$5500

ALTERATIONS

(2801) S SACRAMENTO 200 W Maple. Remove present hip roof and replace with tar and gravel flat roof.
Owner—Children's Hospital, Premises.
Architect—None.
Contractor—Geo. Healing, 110 Jessie St., San Francisco. COST, \$2000

FRAME DWELLINGS

(2802) S SOUTHWOOD 96, 131 and 171 W Miramar. Three one-story and basement frame dwellings.
Owner—A. G. Olsen, 68 Santa Ynez Ave. San Francisco.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Contractor—O. Olsen, 68 Santa Ynez Ave., San Francisco. COST, \$4000 each

FRAME DWELLING

(2803) N SOUTHWOOD 210 W Miramar. One-story and basement frame dwelling.
Owner—G. Olsen, 68 Santa Ynez Ave. San Francisco.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Contractor—O. Olsen, 68 Santa Ynez Ave., San Francisco. COST, \$4000

LUNCH ROOM

(2804) NO. 434 CALIFORNIA. Erect lunch room on roof.
Owner—Hartford Accident & Indemnity Co., 438 California, S. F.
Architect—Ward & Blohme, 454 California.
Contractor—Barrett & Hilp, Sharon Bldg., San Francisco. COST, \$1400

REPAIR SHOP

(2805) E ELEVENTH 25 N Natoma. One-story brick auto repair shop.
Owner—Thos. Hub, 180 Jessie St., San Francisco.
Architect—M. V. Politte, 1st National Bank Bldg., San Francisco.
Day's work. COST, \$10,000

FOUNDATION

(2806) SE MONTEREY BLVD. and San Anselmo Ave. Concrete foundations only for future building (res.).
Owner—Howard Ruggles, 45 Kearny St., San Francisco.
Architect—Herbert A. Schmidt, 45 Kearny, San Francisco.
Contractor—Chas. W. Heyer, Jr., 326 Daisiel Bldg., Oakland. COST, \$2000

RECORDED.

CONCRETE WORK
(2807) COM. 306-2 S ISLAIS and 370 E 3rd S 100XE 100. Concrete work for vegetable oil plant.
Owner—Willits & Patterson, 1 Drumm, San Francisco.
Engineer—C. A. Watts, 24 California, San Francisco.
Contractor—Jos. Pasqualetti as American Concrete Co., Humboldt Bank Bldg., San Francisco.
Filed Dec. 22, '19. Dated Dec. 22, '19. 5 days after final approval... 75%
Usual 35 days. 25%
TOTAL COST, \$3985
Bond, \$10,000. Sureties, Maryland Casualty Co. Forfeit, none. Limit, 45 days. Plans and specifications filed.

PERMITS.

REPAIR SHOP
(2808) S CLEMENT 70 W 11th Ave. One-story concrete auto repair shop.
Owner—J. Weissbein, Holbart Bldg., San Francisco.

Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Contractor—Meyer Bros., 2628 Anza, San Francisco. COST, \$5900

ALTERATIONS

(2809) NO. 523 GRANT AVE. Remove cornice on front; install new cornice; repair plaster, etc.
Owner—Oriental Trading Co., Alto Bldg., San Francisco.
Architect—None.
Contractor—Herman T. Ludwig, 636 Jessie, San Francisco. COST, \$900

ALTERATIONS

(2810) W SIXTH AVE 275 S Cabrillo. Alter 8 flats into 6 apartments.
Owner—Sam J. McFarland, 600 Clunie Bldg., San Francisco.
Architect—None. COST, \$24,000

FRAM. DWELLING

(2811) W THIRD AVE 124 S Cabrillo. One-story and basement frame dwlg.
Owner—C. Wilfert, 1448 Hayes St., San Francisco.
Architect—Herman Barth, Phelan Bldg. San Francisco.
Contractor—Chas. J. U. Koenig, 110 Jessie, San Francisco. COST, \$10,000

ALTERATIONS

(2812) NO. 165 TENTH. Alter present building for laundry.
Owner—Peoples' Laundry Co., Prem. Engineer—J. Harry Russell, 165 Tenth St., San Francisco.
Contractor—Thos. F. Mulcahy, 180 Jessie, San Francisco. COST, \$2194

ALTERATIONS

(2813) NW CABELLO AND EIGHTH AVE. Re-arrange store for private garage.
Owner—M. Gordon, 616 McAllister St., San Francisco.
Architect—None.
Day's work. COST, \$500

RECORDED.

RETAINING WALL
(2814) NOS 1370-72-74 CLAY. All work for reinforced concrete retaining wall on west line of property.
Owner—Sophronia T. Hooper and A. C. Hammond, 1552 Taylor, S. F.
Engineer—Maurice C. Couchot, 110 Sutter, San Francisco.
Contractor—Taylor & Jackson, Call Bldg., San Francisco.
Filed Dec. 23, '19. Dated Dec. 17, '19. On completion 75%
Usual 35 days. 25%
TOTAL COST, \$2500
Bond, limit, forfeit, none. Plans and specifications filed.

ALTERATIONS

(2815) W LEAVENWORTH 137-6 N Golden Gate Ave. All work for cutting present sidewalk on E side of Y. M. C. A. building.
Owner—Young Mens Christian Ass'n., Premises.
Architect—None.
Contractor—R. J. H. Forbes, Monadnock Bldg., San Francisco.
Filed Dec. 23, '19. Dated Dec. 22, '19. On 1st of each month 75%
Usual 35 days. 25%
TOTAL COST, \$2700
Bond, \$1400. Sureties, John Cassaretto and Robt. Dewar. Limit, 40 days. Forfeit, none. Plans and specifications filed.

PAINTING, ETC.

(2816) NO. 314 SUTTER. All work for cleaning, painting, tining, canvas work, etc. for store building.
Owner—Bare Bros., 255 Geary St., San Francisco.
Architect—Ward & Blohme, 454 California St., San Francisco.
Contractor—I. R. Kissel, 1747 Sacramento St., San Francisco.

Filed Dec. 23, '19. Dated Dec. 12, '19.
50% completed \$483
Completed and accepted \$434
36 days after 323
TOTAL COST, \$1,230
Bond, \$645. Surety, New Amsterdam
Casualty Co. Limit, as fast as possible.
Forfeit, none. Plans and specifications filed.
NOTE: Permit reported December 6th, No. 2569.

(Correction—Contractor's Name Omitted in Issue of December 24th).

(2817) NO. 314 SUTTER. Steel and iron work, carpenter, flooring, stairs, frames, glazing, plastering, hardware, etc., for store building.
Owner—Bare Bros., 255 Geary St., San Francisco.
Architect—Ward & Blohme, 454 California St., San Francisco.
Contractor—J. Salanave, 831 Pacific St., San Francisco.

Filed Dec. 23, '19. Dated Dec. 6, '19.
Rough work done \$117.50
Plastering completed 172.50
Completed and accepted 1172.50
30 days after \$450.00
TOTAL COST, \$1,690.00
Bond, \$2345. Surety, Maryland Casualty Co. Limit, Jan. 1, 1920. Forfeit, none. Plans and specifications filed.

PERMITS.

BRICK WALL
(2818) E BAKER 25 S Green. Construct 13' brick wall.
Owner—Mrs. Galloway, 2552 Baker St., San Francisco.
Architect—None.
Contractor—J. Pasqualetti, 785 Market St., San Francisco.
COST, \$500

FRAME DWELLING
(2819) SW ANZA AND TWENTY-second Ave. Two-story and basement frame dwelling.
Owner—James Edmonds, 672 27th Ave., San Francisco.
Architect—None.
Contractor—C. S. Allred, 150 Onondaga Ave., San Francisco.
COST, \$3000

(2820) SE GEARY AND WOOD. General alterations for paint shop.
Owner—Anges M. McCarey, 6055 Harwood Ave., San Francisco.
Architect—None.
Day's work. **COST, \$500**

ALTERATIONS

(2821) NW BROOKS AND MISSION. All work for alterations and additions to building.
Owner—H. R. Teigeler, 3494 Mission, San Francisco.
Architect—None.
Contractor—Mager Bros., 1318 Valencia St., San Francisco.

Filed Dec. 24, '19. Dated Dec. 20, '19.
Frame up \$1200
Completed 1230
Usual 35 days 820
TOTAL COST, \$3250
Bond, limit, forfeit, none. Plans only filed.

NOTE: Permit also applied for today.

RESIDENCE

(2822) W 32ND AVE 124-94 S California St. All work except painting, lighting, fixtures and shades for two-story and basement frame residence.
Owner—C. Wilbert, 1448 Hayes St., San Francisco.
Architect—Hermann Barth, Phelan Bldg., San Francisco.
Contractor—Chas. J. H. Koenig, 116 Jessie, San Francisco.

Filed Dec. 24, '19. Dated Dec. 23, '19.
Frame up \$350.00
Enclosed and brown coated 1300.00
Completed, except putting in hardware, etc. 2827.50
Completed and accepted 500
Usual 35 days 2542.50
TOTAL COST, \$10,107.50

Bond, \$5085. Sureties, Chas. Hoch and Wm. Koenig. Limit, 100 days. Forfeit, none. Plans and specifications filed.
Permit reported Dec. 24th, 1919, No. 2811.

(2823) PAINTING, PAPERING AND tinting on above.
Contractor—Cramer Bros., 1941 53th St., San Francisco.

Filed Dec. 24, '19. Dated Dec. 23, '19.
Work 1/2 done \$236.50
Completed and accepted 236.50
Usual 35 days 132.00
TOTAL COST, \$705.00

Bond, \$383. Sureties, M. A. Petersen and David E. Marchus. Limit, as fast as possible. Forfeit, none. Plans and specifications filed.

(2824) PLUMBING & GAS FITTING on above.
Contractor—Gus May, 3563 18th St., San Francisco.

Filed Dec. 24, '19. Dated Dec. 23, '19.
Work 1/2 done \$471.50
Completed and accepted 471.50
Usual 35 days 321.00
TOTAL COST, \$1264.00

Bond, \$632. Sureties, T. May and G. Petterson. Limit, as fast as possible. Forfeit, none. Plans and specifications filed.

PERMITS.

MARQUEE
(2825) NO. 913 GRANT AVE. Erect ornamental iron marquee.
Owner—Lee Duon Joone Co., Prem.
Architect—A. L. Lapachet, 110 Sutter, San Francisco.
Contractor—J. E. Yukicevich, 180 Jessie, San Francisco.
COST, \$960

ALTERATIONS

(2826) NO. 39 GRANT AVE. General alteration for store.
Owner—Mrs. J. Coughlan & Co., 49 Grant Ave., San Francisco.
Architect—J. E. Kraft & Sons, Phelan Bldg., San Francisco.
Contractor—Daniel O'Neill, 273 Minna, San Francisco.
COST, \$6000

DWELLING

(2827) E MADRONE 50 S Ulloa. Two-story and basement frame dwelling.
Owner—F. Nelson & Sons, 2 West Portal Park, San Francisco.
Architect—None.
Day's work. **COST, \$3000**

ADDITION

(2828) NO. 1553 TURK ST. One-story addition to present building for shed.
Owner—S. F. Dairy Co, Premises.
Contractor—O. W. Britt, 1115 Scott, San Francisco.
COST, \$5000

RESIDENCE

(2829) SE MONTEREY BLVD. and San Anselmo Ave. Two-story and basement frame residence.
Owner—Howard E. Ruggles, 45 Kearny, San Francisco.
Architect—Herbert A. Schmidt, 45 Kearny, San Francisco.
Contractor—Chas. W. Heyer, Jr., 328 Daiziel Bldg., Oakland.
COST, \$20,000

RECORDED.

CARPENTRY & MILL WORK
(2830) S POST 136-6 E Van Ness Ave. E 27-68X 120. Carpentry and mill work for a one-story and basement concrete class "C" auto sales Bldg.
Owner—Mary A. Ruggles, 1901 Vallejo, San Francisco.
Architect—August G. Headman, Call Bldg., San Francisco.

Contractor—Andrew Nelson, 467 Turk, San Francisco.

Filed Dec. 26, '19. Dated Dec. 18, '19.
Floor joists, roof trusses and roof boards on \$1318.75
Completed and accepted 1318.75
Usual 35 days 912.50
TOTAL COST, \$3550

Bond, \$1825. Sureties, Geo. C. Ward and P. R. Ward. Forfeit, \$10. Limit, 30 days. Plans and specifications filed.
NOTE: Permit reported Dec. 19, 1919, No. 2759.

ENCAVING, ETC.

(2831) EXCAVATING, GRADING, back filling concrete and cement work on above.
Contractor—Fred Moller, Call Bldg., San Francisco.

Filed Dec. 26, '19. Dated Dec. 18, '19.
Ready for first floor joists \$2000
Concrete completed up to fire 2000
Completed and accepted 1457
Usual 35 days 1820
TOTAL COST, \$7277

Bond, \$3690. Sureties, Levy Bonding and Surety Co. Forfeit, \$10. Limit, 47 days. Plans and specifications filed.

ALTERATIONS

(2832) SW CALIFORNIA and Front. Alterations and additions to Bldg. Owner—E. H. O'Brien.
Engineer—Barrett & C. Couchot, 110 Sutter, San Francisco.

Contractor—J. F. Barrett & H. H. Hilp as Barrett & Hilp, Sharon Bldg., San Francisco.

Filed Dec. 26, '19. Dated Dec. 24, '19.
Completed and accepted \$17,605
TOTAL COST, \$17,605

Bond, Sureties, none. Forfeit, 20; bonus, \$20. Limit, 60 days. Plans and specifications filed.

NOTE: Permit also applied for today.

PERMIT.

ALTERATIONS

(2832) 1414 FILLMORE. Alterations for hotel.
Owner—Washburn & Crawford - Martin Winters, premises.

Architect—None.

Contractor—L. C. Orendorff, 1414 Fillmore. **COST, \$1000**

ADDITION

(2834) NO. 141 JORDAN AVE. Add one room and alter dwelling.

Owner—Geo. Mengola, Premises.

Architect—None.

Contractor—Chas. J. King, 1900 Golden Gate Ave., San Francisco. **COST, \$500**

ALTERATION

(2835) NW POST and Kearny. Rearrange partitions and extend mezzanine floor.
Owner—Hassans Clothing Co., Prem.
Architect—None.

Contractor—S. Kulchar & Co., 8th Ave. and E-10th St., Oakland. **COST, \$5000**

BAKE OVEN

(2836) NO. 3005 STEINER. Construct brick bake oven.

Owner—Eugene Connolly, 2140 O'Farrell, San Francisco.

Architect—None.

Contractor—J. P. Glaser, 2430 Union, San Francisco. **COST, \$1600**

RECORDED.

ADDITION
(2837) SECOND to Sterling St. Concrete work for addition to plant.
Owner—Schmidt Lithograph Co., Prem.
Architect—Frederick Whitton, 369 Market St., San Francisco.

Contractor—Anderson & Ringrose, 320 Market, San Francisco.

Filed Dec. 27, '19. Dated Dec. 10, '19.
On 10th of each month 755
Usual 35 days 282
TOTAL COST, \$23,078

Bond, \$11,539. Sureties, E. V. Lacey and Mary E. Ringrose. Forfeit, \$15. Limit, April 1, 1920. Plans and specifications filed.

LUNCH ROOM

(2838) ROOF OF BLDG. AT 434 CALIFORNIA ST. Cutting of concrete, wrought iron steel, sheet metal, carpenter, flooring, lath and plaster, glass, hardware, roof, painting, plumbing, pipes, etc., for lunch room.

Owner—Harford Accident and Indemnity Co., 438 California, S. F.

Architect—Ward & Blohme, 454 California, San Francisco.

Contractor—Barrett & Hilp, Sharon Bldg., San Francisco.

Filed Dec. 27, '19. Dated Dec. 18, '19.
Completed and accepted \$1044
Usual 35 days 348
TOTAL COST, \$1392

Bond, \$598. Sureties, Globe Indemnity Co. Forfeit, \$10. Limit, 30 days. Plans and specifications filed.

NOTE: Permit reported December 23, 1919, No. 2804.

REPAIR SHOP

(2839) S. CLEMENTE 70 W 11th Ave. W 50x85 75. All work for a concrete auto repair shop.
Owner—Jacob Weissbein, Hobart Bldg., San Francisco.

Architect—None

Contractor—Theodore G. and Rollin E. Meyer 2628 Anna, San Francisco.

Filed Dec. 27, '19. Dated Dec. 20, '19.
Walls up \$1537.50
Roof of building on 1537.50
Concrete floor laid 1537.50
Usual 35 days 1537.50

TOTAL COST, \$6150
Bond, \$3075. Sureties, Mrs. Anna Meyer, forfeit, \$500. Limit, 60 days after Dec. 22. Plans and specifications filed.

NOTE: Permit reported December 24, 1919, No. 2808.

BRICK WORK

(2840) E. LEAVENWORTH bet. Beach and Jefferson. Brick work for factory alteration, plant No. 1.
Owner—California Packing Corp., 101 California, San Francisco.

Engineer—Philip L. Bush, 101 California, San Francisco.
Contractor—G. Trevisia, 300 Bay, San Francisco.

Filed Dec. 27, '19. Dated Dec. 23, '19.
One-half work completed \$1000
Completed and accepted 1100
36 days after TOTAL COST, \$2865

Bond, \$1432. Sureties, London & Lancashire Indemnity Co., forfeit, none. Limit, 30 days after raising roof. Plans and specifications filed.

LEASES.

San Francisco County.

Dec. 22, 1919.—NW SUTTER & HYDE 117-6XN 77-5. Julius Rosenstern to E. G. Borden, Fred P. Hermans and P. A. Tromontin, 10 years. \$337,000.
Dec. 22, 1919.—W MISSION bet. 24th & 25th, No. 2854. Mission, Annie M. Schulz to Albert and Clara Strye, 5 years. \$3540.

Dec. 24, 1919.—NO. 2155 MISSION. Geo. M. Davis to L. Mendelson, 60 months. \$40 per month.

Dec. 24, 1919.—N GOLDEN GATE AVE. 65 E. Gough, Oscar H. Curtiss to Alexander Morris and Albert Goldstein, 5 years. \$19,500.

Dec. 24, 1919.—E. TWENTY-SECOND Ave 175 N. Clement, No. 268 22nd Ave. Bertram F. Hamburger to William Abrams, 1 year. \$45 per month.
Dec. 24, 1919.—NO. 1919 V. V. NESS Ave (ground floor). Cecelia Realty Co. to J. Goodman, 12 months. \$75 per month.

Dec. 23, 1919.—NO. 923 EDDY. Anna M. Mellon to Lula McCarty, 5 years. \$12,000.

Dec. 26, 1919.—NO. 68 YUKON St. Mrs. A. Haynes to Peter Stromsberg, 2 years. \$15 per month.

Dec. 26, 1919.—S SEVENTEENTH 57-6 W. E. Gough W 255 110. Henry Redlich and S. J. Newman to Redlich-Newman Co., 10 years, \$20 per month.

Dec. 26, 1919.—NOS. 1601-02 LARKIN & E. Cor. Clay. Ida Anna and Fannie Scheper to Nicholas Willows, 5 yrs. \$3780.

BUILDER'S BOND.

Dec. 26, 1919.—N CLAY bet. Kearny & Montgomery. Commercial Center Realty Co., owner, Del Pavito & Risor, contractors; A. Delmonte and A. Pignone, sureties; Bank of Italy mortgagee; \$14,000.

COMPLETION NOTICES

San Francisco County

Dec. 17, 1919.—LOT 45, BLK 2, Lakeview. The McCarthy Co. to James Arnett & Son. Dec. 17, 1919
Dec. 17, 1919.—NE TWENTY-THIRD Ave and Balboa E 32-5XN 190. O. M. C. E. and Del Mendelson to whom it may concern. Dec. 16, 1919
Dec. 19, 1919.—LOT 17, BLK 2, West End Map No. 1—166 feet SW of Balboa Ynez Ave. on Delano Ave. L. Battaini to Bert Gholto.
Dec. 19, 1919.—W TWELFTH AVE, 50 S. Stevenson 50 on 12th Ave. No. 12th M. L. Marx to Louis J. Dejbé. Dec. 17, 1919

Dec. 19, 1919.—LOTS 1 TO 5, BLK 12, Mission Terrace. Mission Terrace Co. to whom it may concern. Dec. 19, 1919

Dec. 19, 1919.—LOT 2, BLK 3153, Westwood Park. Hans Nelson to Nelson Bros. Dec. 18, 1919

Dec. 19, 1919.—LOT 26, BLK 3163, Katherine C. Kingwell to Jno. J. Kingwell. Dec. 18, 1919

Dec. 19, 1919.—W. PLYMOUTH 27-54 S from NE cor. lot 15, N 77 deg. 22 min. 52 sec. W 94-356, N 35-823, S 73 deg. 01 min. 39 sec. E 95-248, S 38-454, ptn lots 14 and 15, BLK 3177, Westwood Park. Hans Nelson to Nelson Bros. Dec. 18, 1919

Dec. 20, 1919.—SE V. V. NESS Ave & Union 38x125. D. J. Clancy to whom it may concern. Dec. 20, 1919

Dec. 20, 1919.—SE V. V. NESS Ave & Polk No. 1665 Clay. Laura C. Props to whom it may concern. Dec. 18, 1919

Dec. 20, 1919.—W FULTON AND Laguna. E. L. Goldstein Co. to Mission Concrete Co. Dec. 19, 1919

Dec. 22, 1919.—W HYDE 57-6 S Bush S 50xN 95. Louis D. Stoff to Louis D. Stoff. Dec. 18, 1919

Dec. 22, 1919.—N O'FARRELL 82-6 E Powell, San Francisco Catering Co. to Nelson & Peterson. Dec. 19, 1919

Dec. 22, 1919.—W FORTIETH AVE 50 N Balboa N 50xW 95. Alexander MacKillop to whom it may concern. Dec. 19, 1919

Dec. 22, 1919.—W RAILROAD AVE 200 N Salinas No. 2754 Railroad Ave Henry Stern to T. L. Sharma. Dec. 19, 1919

Dec. 23, 1919.—N CALIFORNIA 95 W 21th Ave W 25xN 100. W. H. Sale to David Leigh. Dec. 18, 1919

Dec. 24, 1919.—W TWENTY-SECOND Ave 50 S Anza S 25xW 57-6. John Gray to Theodore G. Meyer. Dec. 23, 1919

Dec. 26, 1919.—E FIFTEENTH AVE 114 N Anza N 75x E 120. Emil Nelson to whom it may concern. Dec. 26, 1919

Dec. 26, 1919.—W SEVENTEENTH AVE 209-4 S Lake S 22-10xW 120. Henry Treleason to J. L. Shaw. Dec. 19, 1919

LIENS FILED.

San Francisco County

Dec. 11, 1919.—N PAGE 82-6 W Lyon W 25xN 95 W 23 McDiarmid, \$300 E Byron H. Gurnette, \$325.77 vs Wm and Marie L. Marrs. Dec. 11, 1919

Dec. 16, 1919.—W HOWARD 44-113 S 19th S 21-10 W 75-6. J. L. Maine vs Marie Alin. Dec. 16, 1919

Dec. 23, 1919.—N CALIFORNIA 34 Buchanan. D. J. Patterson vs Helen Bowdie Detrick. Dec. 23, 1919

Dec. 24, 1919.—N CALIFORNIA 34-43 W Buchanan W 40xN 132-6. American Automatic Lock & Lift Co. vs Helen Bowdie Detrick. Dec. 24, 1919

Dec. 26, 1919.—N CALIFORNIA 34 W Buchanan. Mallott & Peterson vs Helen Bowdie Detrick. Dec. 26, 1919

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Dec. 26, 1919.—N CALIFORNIA 34 W Buchanan. Mallott & Peterson vs Helen Bowdie Detrick. Dec. 26, 1919

hardware, implements and general merchandise.

Garden City Metal Works—To issue 50 shares to George C. Fuhrman in exchange for a sheet metal works business and to sell 19 shares to Fred G. Meyer, Frank V. Campbell, F. A. Linquist and C. C. Brown, at par for cash and thereafter to sell 131 shares at par for cash.

Acme Building Company, Los Angeles—To issue 7,200 shares of its capital stock in exchange for certain property and to sell 12,800 shares at par \$1.00, for cash.

LATIN AMERICAN TRADE NOTES.

[File numbers cited refer to reserved information or trade lists which may be obtained from the Latin American Division, Bureau of Foreign and Domestic Commerce, or any of the district or co-operative offices.]

First American Fire and Marine Insurance Company in Argentina.

According to The Review of the River Plate, the National Government of Argentina by decree of September 15 has authorized a New York insurance company to establish a branch or agency in Argentina, the first company from the United States to seek to enter the Republic for service to those needing fire or marine insurance.

Contract for Electric Street Railway at Barranquilla, Colombia.

The American consul at Barranquilla reports that local financiers have just made a contract with the municipal council for the establishment of an electric street railway to replace the mule line now in operation whose franchise expires on April 27, 1920. The term of the contract is 40 years from the date of organization of the company, which shall take place at least by the time the franchise of the present company expires. To be valid the contract must have the approval of the governor of the Department. This has not been given, but it is considered unlikely that it will be denied. The new system will consist of a power plant run by steam, 10 kilometers of track and 16 electric cars. The equipment will be increased as the growth of the city requires. Nothing has as yet been done with regard to the construction of the system and the purchase of material. Interested engineers and manufacturers should refer to file No. L. A. 21 for the names of financial interests principally involved.)

GOING AFTER CONTRACTORS.

WASHINGTON, Dec. 18.—The Senate Committee appointed to investigate public buildings constructed during the war under supervision of the United States Housing Corporation has recommended to the Senate that steps be taken to recover money which it is charged was improperly paid for work done for the corporation.

Should persons and corporations receiving the alleged overcharges refuse to make voluntary restitution, the committee recommended that civil action be instituted by the Government.

Stockton Hardware & Implement Co., formerly Stockton Implement Co.—To sell 3500 shares at not less than par \$100 so as to net the entire amount of the selling price.

Terra Cotta Tile & Brick Corporation, San Diego—To issue 350 shares of its stock in exchange for certain personal property and to sell 140 shares to its incorporators at par \$100, for cash. The company was organized for the purpose of acquiring the property and plant of Sunnyside Brick & Tile Co., a copartnership.

Nice Griffith Company Calipatria, Imperial County—To issue 79 shares of its capital stock to E. O. Nice in exchange for certain property and the payment of \$1825.25, and to issue 40 shares to J. K. Griffith and one share to Julia H. Nice at par for cash. The company will engage in the business of

BUILDING CONTRACTS

Alameda County

4133	Trahan	Vaughn	3500
4136	Vaughan	Vaughan	2500
4137	Baumann	Owner	2450
4138	Randolph	Weichoff	15000
4139	Hildebrand	Owner	4000
4140	Smrny Av Ld Co	Owner	6000
4141	Hendrickson	Owner	2500
4142	Farmer	Westlund	400
4143	Hood	Hood	500
4144	McKinley	Mowat	900
4145	Bartle	Wallace	500
4146	Smrny Av Ld Co	Owner	6000
4147	MacGregor	Owner	1900
4148	Abbott	Owner	4500
4149	Cromwell	Scheussler	3200
4150	Cromwell	Scheussler	3200
4151	Petersen	Cooley	400
4152	Canning	Owner	3000
4153	Vinson	Morris	12000
4154	Lakeshore	Strang	6500
4155	Lakeshore	Strang	8750
4156	Marquis	Owner	6000
4157	Holmes	Holmes	3100
4158	Stolte	Owner	2850
4159	MacGregor	Owner	5000
4159	MacDonald	Omo	3500
4160	Schafer	Mathies	600
4161	Ballard	Corbett	475

DWELLING
(4135) N ARLINGTON AVE 90 E Gaskill, Oakland. One-story 5-room dwelling.
Owner—Carrie Trahan, Berkeley.
Architect—None.
Contractor—M. C. Vaughn, 5833 Ayala, Oakland.
COST, \$3500

DWELLING
(4136) E DOLORES AVE 240 S Park Blvd., Oakland. One-story four-room dwelling.
Owner—Frances P. Vaughan, 1124 Hampel, Oakland.
Architect—None.
Contractor—John Vaughan, 1124 Hampel, Oakland.
COST, \$2500

DWELLING
(1137) N HILLSIDE 50 E 77th Ave., Oakland. One-story 6-room dwlg.
Owner—Fred Baumann, 2000 45th Ave., Oakland.
Architect—None.
Day's work. COST, \$2450

DWELLINGS
(4138) N OILION 285, 245, 205, 165 and 125 W 64th Ave., Oakland. Five one-story 6-room dwellings.
Owner—J. Randolph, 8412 E-14th, Okd.
Architect—None.
Contractor—Weichoff & Young, 8412 E-14th, Oakland.
COST, \$3000 each

DWELLING
(4139) N ROSLEN 140 E Warfield, Oakland. One-story 5-room dwlg.
Owner—C. G. Hildebrand, 3257 Galindo, Oakland.
Architect—None.
Day's work. COST, \$4000

DWELLINGS
(4140) W SIXTY-FIRST AVE 200 and 240 S Braun, Oakland. Two one-story 5-room dwellings.
Owner—Seminary Ave. Land Co., 105 Montgomery St., San Francisco.
Architect—None.
Day's work. COST, \$3000 each

DWELLING
(4141) W TWENTY-THIRD AVE 39 N E-29th, Oakland. One-story five-room dwelling.
Owner—Annie Hendrickson, 2036 7th, Oakland.
Architect—None.
Contractor—A. Hendrickson.
COST, \$2500

GARAGE
(4142) NO. 928 E-TWENTY-SECOND, Oakland. Garage.
Owner—Frances A. Farmer.
Architect—None.
Contractor—Fred J. Westlund, 2207 10th Ave., Oakland.
COST, \$400

ALTERATIONS
(4143) NO. 1035 FIFTY-THIRD, Oakland. Alterations.

Owner—Frank B. Hood, Premises.
Architect—None.
Day's work. COST, \$500

SHED
(4144) NO. 487 NINTH, Oakland. One story brick shed.
Owner—McKinley Market, Premises.
Architect—None.
Contractor—J. Mowat, 25 Oak Grove, San Francisco.
COST, \$900

DWELLING
(4145) E SEVENTY-FOURTH AVE 354 N E-11th, Oakland. One-story 2-room dwelling.
Owner—Martha K. Bartle, 1419 72nd Ave., Oakland.
Architect—None.
Contractor—S. A. Wallace, 1419 72nd Ave., Oakland.
COST, \$500

DWELLINGS
(4146) E SIXTY-FIRST AVE 200 and 240 S Braun, Oakland. Two one-story 5-room dwellings.
Owner—Seminary Ave. Land Co., 105 Montgomery St., San Francisco.
Architect—None.
Day's work. COST, \$3000 each

DWELLING
(1147) PIEDMONT CO'RT, Piedmont. Two and one-half story dwelling.
Owner—C. M. MacGregor, 470 13th, Oakland.
Architect—None.
Day's work. COST, \$1900

DWELLING
(4148) FAIRVIEW AV. near Oakland Ave., Piedmont. Two-story frame dwelling.
Owner—Dr. Mary L. Abbott, 323 E-19th, Oakland.
Architect—None.
Day's work. COST, \$1500

DWELLINGS
(4149) W NORTH 40 N Jaynes, Berkeley. One-story 6-room dwelling.
Owner—B. Cromwell.
Architect—None.
Contractor—H. H. Scheussler, 2436 Telegraph Ave., Berkeley.
COST, \$3200

DWELLING
(4150) E JEFFERSON 80 S Jaynes, Berkeley. One-story frame, six-room dwelling.
Owner—B. Cromwell.
Architect—None.
Contractor—H. H. Scheussler, 2436 Telegraph Ave., Berkeley.
COST, \$3200

DWELLING
(4151) NO. 284 TWENTY-FOURTH ST., Oakland. One-story 1-room dwlg.
Owner—P. Petersen, Premises.
Architect—None.
Contractor—R. H. Cooley Mfg. Co., 963 33rd, Oakland.
COST, \$100

ADDITION
(4152) NO. 850 FORTY-SECOND AV., Oakland. Two-story frame addition.
Owner—B. B. Canning Co., Premises.
Architect—Chester H. Miller, Perry Block, Oakland.
Day's work. COST, \$2000

APARTMENTS
(4153) N RAND AVE. 650 E Lake Park Ave. Two-story 18-room apartments.
Owner—R. B. Vinson, 400 Syndicate Bldg., Oakland.
Architect—None.
Contractor—Solomon Morris, 1507 Harrison St., Oakland.
COST, \$12,000

DWELLING
(1154) S ROSEMOUNT ROAD 100 E North Vale Road, Oakland. Two-story frame dwelling.
Owner—Lakeshore Highlands Co.
Architect—None.
Contractor—F. N. Strang, 1405 Central Ave., Alameda.
COST, \$6500

DWELLING
(4155) S ROSEMOUNT ROAD 950 E Lakeshore Ave. Two-story 8-room dwelling.

Owner—Lakeshore Highlands Co.
Architect—None.
Contractor—F. N. Strang, 1405 Central Ave., Alameda.
COST, \$8750

DWELLING
(4156) E THOMAS 250 and 285 N Broadway, Berkeley, Oakland. Two one-story 5-room dwellings.
Owner—E. M. Marquis, 2827 Russell, Berkeley.
Architect—None.
Day's work. COST, \$3000 each

DWELLING
(4157) NO. 1500 UNION ST., Alameda. One-story 4-room dwelling.
Owner—Raymond Holmes, Locksley Hall Apartments, S. F.
Architect—None.
Contractor—A. S. Holmes, 1179 Regent St., Alameda.
COST, \$3100

DWELLING
(4158) NO. 2608 BUENA VISTA AVE., Alameda. One-story 5-room dwelling.
Owner—F. C. Stolte, 3449 Laguna Ave., Oakland.
Architect—None.
Day's work. COST, \$2985

DWELLINGS
(4159) W BAKER 145-180 N Oregon, Berkeley. Two one-story 5-room dwellings.
Owner—C. M. MacGregor, 470 13th St., Oakland.
Architect—None.
Day's work. COST, \$2500 each.

DWELLING
(4159) SE ELEVENTH AVE and E-22nd St., Oakland. One-story 5-room dwelling.
Owner—J. D. MacDonald, 1121 E-22nd St., Oakland.
Architect—None.
Contractor—Fred Omo, 2128 11th Ave., Oakland.
COST, \$3500

GARAGE
(4160) S ROSAL AVE. 85 E Santa Ray Ave., Oakland. Garage.
Owner—E. E. Schafer.
Architect—None.
Contractor—H. C. Mathies, 180 Jessie, San Francisco.
COST, \$600

ALTERATION
(4161) NO. 1210 WASHINGTON ST., Oakland. Alteration.
Owner—Jim Ballard.
Architect—None.
Contractor—Corbett & Bayliss, 1110 Franklin, Oakland.
COST, \$475

CANCELLATION OF CONTRACT.
Alameda County.
Dec. 26, 1919—NO. 522 MYLIE ST., Oakland. Contract to Luigi Guaragna; contractor, J. A. Pones. Contract made December 4, 1919.

COMPLETION NOTICES

Alameda County

Dec. 19, 1919—LOT 2 BLK "B" Westmoreland Park, Berkeley. Milton Schroeder to Halger Nielson. Dec. 19, 1919
Dec. 20, 1919—LOTS 6 AND 7 Oak Ridge, Bkly. G. A. Mattern to Oakland. Dec. 10, 1919
Dec. 20, 1919—N HEARST AVE 200 W California W 100th 135, Bkly. Mrs Clara L. and Ruth B. Kidd to J. A. Pinkerton. Dec. 19, 1919
Dec. 22, 1919—SAN LEANDRO. Omer F. Darling to whom it may concern. Dec. 20, 1919
Dec. 22, 1919—NE WALAVISTA and Arimo Aves., Oakland. Nettie M. Stevenson to whom it may concern. Dec. 19, 1919
Dec. 22, 1919—NO. 1515 WEBSTER, Oakland. Young Women's Christian Association to E. C. Farquharson. Nov. 24, 1919
Dec. 22, 1919—LOT 7, BLK. 8, Thousand Oaks Tract, being No. 850 The Alameda, Berkeley. Reed W. Thomas to whom it may concern. Dec. 20, 1919

Dec. 22, 1919—SW SUTER 185.27 NW High SW 98.26xNW 35, Oakland. Waterfront Sash & Door Co to H S Pratt. Dec. 22, 1919
Dec. 22, 1919—NE SUTER 205.39 NW High NE 98.26xNW 35, Oakland. Waterfront Sash & Door Co to I S Tuttle. Dec. 22, 1919
Dec. 23, 1919—NW COR. PARK AVE. and Harlan St., Emeryville. Western Canning Co. by E. J. Walker Co. to Cyclops Iron Works. Dec. 15, 1919
Dec. 23, 1919—E FRANKLIN 60.3 N 14th N 145-9, E 150, S 145-9, W 71-7 1/2, S 60-3, W 30-6, N 60-3, W 71-7 1/2, Oakland. B. E. Cotton, Sec. Archon Co. to Central Iron Works. Dec. 15, 1919
Dec. 24, 1919—LOT 40 and Ptn Lot 41, Blk 2089 Paradise Plot, Okla. Guy Taylor to whom it may concern. Dec. 15, 1919
Dec. 26, 1919—PT. 40 S AND 30 W of SW cor. 1st and Jefferson Sts W 50, S 50, W 100, S 60, E 150, N 110, Oakland. Pacific Gas & Electric Co. to Ralph M. Bundschu & Charles K. Brown (Asbestor Co. of California).

LIENS FILED.

Alameda County

Nov. 17, 1919—S CHABOT ROAD 40 Hearn W 40xS 100, Okla. Hogan Lumber & Mill Co vs E H Shultz and W Jespersen & A Dippo \$611.90
Nov. 18, 1919—S E-TWENTY-THIRD 100 E 7th Ave 50xS 150, Okla. W P Fuller & Co vs Henry R Vail and L V Dixon. \$131.23

BUILDING CONTRACTS.

Santa Clara County.

OIL STATION
SANTA CLARA and Montgomery, San Jose. Oil service station.
Owner—Union Oil Co., San Jose.
Architect—None.
Day's work. COST, \$2000

OIL STATION.
SAN FERNANDO opp. San Pedro, San Jose. Oil service station.
Owner—Union Oil Co., San Jose.
Architect—None.
Day's work. Cost, \$2000

COMPLETION NOTICES.

Santa Clara County.

Recorded Accepted
Dec. 16, 1919—PALO ALTO, Mrs. Leo Henry Hoover to H P Nelson. Dec. 10, 1919
Dec. 19, 1919—FIRST AND SAN ANTONIO Sts., San Jose. Wiley B Allen Co to Morrison Bros. Dec. 25, 1919
Dec. 19, 1919—FIRST AND SAN ANTONIO Sts., San Jose. Wiley B Allen Co to W J Moore. Nov. 25, 1919
Dec. 19, 1919—FIRST AND SAN ANTONIO Sts., San Jose. Wiley B Allen Co to J P Jarman Co. Nov. 25, 1919
Dec. 19, 1919—PALO ALTO, Geo F Brown to Mt. View Home Builders, Inc. Dec. 12, 1919
Dec. 19, 1919—RACE ST., near San Jose. S J Spoelstra to R O Summers. Dec. 15, 1919
Dec. 22, 1919—PALO ALTO, Grace G Mortimer to Mt. View Home Builders, Inc. Dec. 16, 1919
Dec. 23, 1919—NEAR SAN JOSE, O K Cushing to Louis Ceresbigh. Dec. 15, 1919

RELEASE OF LIENS.

Santa Clara County.

Recorded Amount
Dec. 19, 1919—TWELFTH AND SAN Antonio Sts., San Jose. Ralsch Improvement Co to P W Todd. \$346.29

BUILDING CONTRACTS.

Fresno County.

DWELLING AND GARAGE
HAZELWOOD, LOT 3, BLK. 23 and lot 3, Blk. 6, Fresno. Two frame dwellings and garages.

Owner—Ewing & Meux.
Architect—None.
Contractor—Reese & Atkins, 3643 Platt, Fresno.
COST, \$2800 and 2300

FLATS
LOTS 32, 33, 34, BLK. 9, ALHAMBRA Tract, Fresno. Frame flats.
Owner—Louis Scholler, 1942 Mariposa, Fresno.
Architect—None.
Contractor—E. Riggins, 317 Mason Bldg., Fresno.
COST, \$20,000

DWELLING AND GARAGE
LOT 3, BLK. 12, WILSON TRACT, Fresno. Frame dwelling and garage.
Owner—L. D. Schnavel, 1145 Echo, Fresno.
Architect—None.
Contractor—J. F. Bates, 1264 Roosevelt, Fresno.
COST, \$5000

DWELLING AND GARAGE
LOT 11, BLK. 21, BELMONT ADD., Fresno. Frame dwelling and garage.
Owner—Tom Thorp.
Architect—None.
Contractor—J. C. Clark, 153 Clark, Fresno.
COST, \$3000

DWELLING AND GARAGE
LOT 13, BLK. 10, TERRY TRACT, Fresno. Frame dwelling and garage.
Owner—F. L. Blayney, 413 Poplar, Fresno.
Architect—None.
Contractor—J. C. Clark, 153 Clark, Fresno.
COST, \$2500

DWELLING AND GARAGE
LOTS 40 & 41, IRVINGTON ADDITION, Fresno. Frame dwelling and garage.
Owner—Clara E. Newman, 146 Howard, Fresno.
Architect—None.
Contractor—H. O. Lawrence, 2260 Webster, Fresno.
COST, \$3500

REPAIRS
NO. 1050 "S" ST., Fresno. Repairs to building.
Owner—H. H. Holland, 2048 Mariposa, Fresno.
Architect—None.
Contractor—E. J. Farr, 245 Forthcamp, Fresno.
COST, \$5500

ALTERATION
LOTS 24, 25, BLK. 62, Fresno. Alteration.
Owner—Kutner-Goldstein Co., 1801-11, Mariposa, Fresno.
Architect—None.
Contractor—E. Riggins, 317 Mason, Fresno.
COST, \$—

DWELLING AND GARAGE
LOTS 16, BLK. 4, STRATFORD PLACE, Fresno. Frame dwelling and garage.
Owner—Blackwell Building Co., 202 Trust Co. Bldg., Fresno.
Architect—None.
Day's work. COST, \$8000

DWELLING AND GARAGE
LOTS 22, 23, BLK. 22, ARLINGTON Heights, Fresno. Frame dwelling and garage.
Owner—Fisher & McNulty, Fresno.
Architect—None.
Day's work. COST, \$3000

DWELLING AND GARAGE
LOTS 23, 30, BLK. 54, EAST FRESNO. Frame dwelling and Garage.
Owner—Albert Bowen, Fresno.
Architect—None.
Day's work. COST, \$6000

DWELLING AND GARAGE
LOT 1, BLK. 1, MT. OLIVE, Fresno. Frame dwelling and garage.
Owner—Nels N. Nelsen, 848 Roosevelt, Fresno.
Architect—None.
Day's work. COST, \$3550

COMPLETION NOTICES.

Fresno County.

Recorded Accepted
Dec. 18, 1919—LOT 9 BLK 27, Hazelwood, Fresno. Clara M Mang to whom it may concern. Nov. 28, 1919

BUILDING CONTRACTS.

Sacramento County.

GARAGE
W 33-3 1/2 OF LOT 3, "K." "L." 12TH and 13th, Sacramento. One-story brick and frame garage.
Owner—A. M. Ardery.
Architect—None.
Contractor—G. L. Herndon and Henry Finnigan, 1714 16th, Sacramento.
COST, \$17,251

RESIDENCE
NO. 3712 "S" ST., Sacramento. One-story 6-room frame residence.
Owner—C. M. Guthrie, 720 Capital Bank Building, Sacramento.
Architect—None.
Contractor—A. W. Norris, 3012 "G" St., Sacramento.
COST, \$4000

RESIDENCE
NO. 716 TWENTY-FIRST ST., Sacramento. One and one-half story 8-room frame residence.
Owner—C. Knox, 2019 "L" St., Sacramento.
Architect—None.
Contractor—A. W. Norris, 3012 "G" St., Sacramento.
COST, \$6500

DWELLING AND GARAGE
NO. 1919 THIRTY-FIFTH ST., Sacramento. One-story 5-room frame dwelling and garage.
Owner—M. T. Jewell, Sacramento.
Architect—None.
Day's work. COST, \$3300

SW NINTH and "L" Sts., Sacramento. Two-story brick and concrete garage.
Owner—C. E. Phipps, 1418 "N" St., Sacramento.
Architect—E. C. Hemmings, 1203 "J" St., Sacramento.
Contractor—C. J. Guth, 1516 27th St., Sacramento.
COST, \$35,746

NO. 407 "K" ST., Sacramento. Remodel residence.
Owner—J. Blanth, Premises.
Contractor—C. Vanina, 2022 "M" St., Sacramento.
COST, \$7500

NO. 3418 THIRD AVE., Sacramento. Addition to garage.
Owner—W. F. Foster, Sacramento.
Architect—None.
Contractor—Simmonds & Birdsall, Sacramento.
COST, \$1200

BUILDING CONTRACTS.

San Joaquin County.

TANNERY.
FREMONT ST. bet. El Dorado and Hunter Streets, Stockton. Tannery.
Owner—Wagner Leather Co., 545 N Hunter, Stockton.
Architect—None.
Day's work. COST, \$42,133

SERVICE STATION
HUNTER and Miner Ave., Stockton. Service station.
Owner—Union Oil Co., 526 W Weber, Stockton.
Architect—None.
Day's work. COST, \$2500

NORTH STOCKTON ST. bet. Park and Flora Sts., Stockton. Frame residence.
Owner—Mrs. Fred W. Allen, Stockton.
Architect—None.
Day's work. COST, \$5000

NO. 618 E-ANDERSON ST. bet. San Joaquin and Sutter, Stockton. Remodel building.
Owner—R. Gould, Premises.
Architect—None.
Day's work. COST, \$2500

War Memorial for San Francisco Civic Center.

Architects Glass and Butner of San Francisco Preparing Plans for Two Million Dollar Structure for Veterans.

An immense memorial building, of striking splendor, will soon grace the famed Civic Center of San Francisco. Plans and specifications calling for a \$2,000,000 memorial of granite have been approved by an organization of well known citizens, headed by Louis A. Colton, of the Zellerbach Paper Co., past president of the San Francisco Ad Club. The proposed building, designed to commemorate the memory of those who offered their all in the war service of the United States, will serve not only as a lasting monument architecturally, but will be such a combination of war museum, pageant producing auditorium, Americanization hall, and meeting place for war veterans, that its function will be fully as practical as memorial. One section will house all the relics of the World War, trophies captured from the Huns, as well as the honored colors of all the San Francisco war outfits who took part in any war for the United States of America. Another section will provide for the production on an immense scale of patriotic pageants for the Fourth of July, Memorial Day, and other anniversaries, with the giving of moving-picture lectures, regularly, under the auspices of the Board of Education to help make the children of San Francisco 100 per cent American.

The first general meeting of the organizers was held in the offices of Col. Milton A. Nathan, commander of the Rocky Mountain Division of the United Veterans of the Republic. After hearing the report of Chauncey McGovern, who has been in correspondence for the past six months with War Veteran Memorial bodies all over the United States as to what has been done and what is planned for other sections, the resultant plans, prepared by Glass & Butner, architects, who served in the great war, were approved, and Nathan was appointed general counsel to draw up the papers necessary for the formation of an association of public-spirited citizens to ensure the prompt erection of the memorial. Shares will be sold the general public at one dollar each so that every man, woman and child who lives in San Francisco can participate in the glory of erecting the building, which the organizers claim will be the finest of all the memorial structures in the world, not exclusive of the \$10,000,000.00 "National Victory Memorial Building" which is being constructed at the National Capital.

Louis A. Colton was elected president pro tem, and Chauncey McGovern, 1st vice-commander of the United War Veterans, who has devoted six months' time to gathering data about war memorials from all parts of the world, was elected executive secretary pro tem.

Among those present who signed the preliminary articles of incorporation, besides Messrs. Colton, Nathan and McGovern, were: Col. Sir. L. Simonds, past commander of the G. A. R.; Col.

J. F. Wm. Unfug, commander of the National Indian War Veterans; Captain Alex. H. Aldrich, U. S. Army; Captain Harold H. Loubderback; J. W. Jackson, commander of Golden Gate Post, No. 40, American Legion; and Mrs. Alice Stewart, commander of the Women's Auxiliary United Spanish War Veterans.

Official statements of the proposition were ordered sent to all San Francisco clubs and associations interested in honoring our local heroes, in making our children more truly American, and in erecting in San Francisco a memorial building which would serve as an attraction to tourists who would journey far to see the finest war memorial in the world.

CHIMNEY BUILDERS ACCUSED OF MONOPOLY.

NEW YORK.—Five corporations and fifteen individuals were accused in Federal Court of violating the Sherman Anti-Trust Act by attempting to monopolize the building of brick chimneys in half a dozen States.

The defendants, who pleaded not guilty to indictments, were held in \$1,000 each for trial.

LATIN AMERICAN TRADE NOTES.

[File numbers cited refer to reserved information or trade lists which may be obtained from the Latin American Division, Bureau of Foreign and Domestic Commerce, or any of the district or co-operative offices.]

Electrification of the Central of Brazil Railway.

In accordance with recommendations from the director of the Central of Brazil Railway, the Minister of Communications and Public Works of Brazil has named Hector Lyra da Silva as assistant technical engineer for the special work of undertaking the necessary studies for the electrification of the line from Barra do Pirajá. He has instructions to prepare the estimates and the tenders for public bids. Reference to this project was made in Commerce Reports No. 145, of June 21, 1919. Further details may be obtained from the commercial attaché at Rio de Janeiro. (Refer to file No. L. A. 21 for financial interests connected with the project.)

AUSTRALIAN IMPORT RESTRICTIONS.

[Cablegram from Trade Commissioner Perrin, Melbourne, Nov. 3, 1919.]

Pending the new tariff bill in March, the following goods are prohibited from importation into Australia, except under special license: Potable ethyl alcohol, cocoa and chocolate, nickel silver, britannia, and antifriction metals; type and linotype metals; gunmetal bars, rods, and ingots; brass and copper angles, tees, bars, rods, pipes, tubes, sheets, and plates; zinc and spelter; rails and railway material; all steel, including high-speed steel; pig iron, iron ingots, blooms and billets; benzol; naphtha; all paints and colors, except varnishes; plaster of paris; carbolic acid; crude creosote, crude tar oils; arsenate of calcium, lead, and soda; arsenate of soda and zinc; carbolic disinfectants; sodium hyposulphite; sodium arsenic; naphthalene; arsenic; sulphide; ethyl chloride; sodium sulphate; bacte-

riological products and scrums; three-ply veneers; strawboards; frames for side cars; wheels, steel and steel rimmed, for railways and tramways, including tires, axles, etc.; panels for mudguards for automobiles; yarns and hosiery.

TIME IS MONEY.

The Western Union has raised the rental on its clocks from \$1.50 to \$1.75 a month. Another instance of time meaning money. Maybe the Western Union will follow the example of all other unions and soon charge time and a half for operating the clocks at night.—San Mateo News-Leader.

KRUPP'S AWARDED LARGE CONTRACTS.

German Firm Takes Order From Its Government for Locomotives and Freight Cars.

The Bureau of Foreign and Domestic Commerce reports information secured from a recent issue of the "Kölnische Volkszeitung" to the effect that the German government has awarded contract to Krupp's for the manufacture and delivery annually of 100 locomotives and 2,000 15-ton freight cars. The price to be paid will be based, it is understood, on the actual cost of labor and material used on which the Krupp's will be allowed a profit of 2%.

According to the report, the German government will specify a price for the cars and locomotives and any profits accruing from their sale above the cost of production will revert to the national treasury. On the same authority it is said that shortly after the signing of the armistice Krupp's converted two of its munition factories into railroad-stock factories, pecially for 300 heavy locomotives and pecially for 30 heavy locomotives and 2500 15-ton freight cars.

RAILWAYS IN SOUTH CHINA.

(Board of Trade Journal.)

When one considers the vast area, population and resources of China, there is little doubt that the country will shortly witness great activity in the development of its railways. Railway construction has been in abeyance since 1914, and although conditions at present are too unsettled to promise any immediate resumption on a large scale, plans have been laid for several extensive schemes. Consequently, a brief review of the proposals already mapped out in Southwest China should be of interest to investors, railway contractors, and manufacturers of railway material.

Railway construction south of the Yangtze has not, up to the present, kept pace with that in North China, where there are few navigable waterways. In the South, on account of many excellent rivers, the need has not been so urgent. The railways south of the Yangtze already constructed or under construction are:

(1) Shanghai-Nanking Railway. — Connected through the Tiensin-Pukow Railway with the railway systems of North China. Length 204 miles. (Completed.)

(2) Shanghai-Hangchow Ningpo Railway.—Length 218 miles. (Com-

pleted from Shanghai to Hangchow, 118 miles, and from Ningpo to Pokwan, 60 miles, and a mile or two from Hangchow toward Pokwan.)

(3) Changchow-Amoy (Changsha) Railway.—Length 20 miles. (Completed.)

(4) Swatow - Chaehowfu (Chaoshan) Railway.—Length 26 miles. (Completed.)

(5) Canton - Kauloon Railway.—Length 111 miles. (Completed.)

(6) Sunning Railway.—Towshan to Kongmoon. Length between 50 and 90 miles. (Completed.) Extension from Sunning to Youngkong has been partly constructed and a branch to Canton has been surveyed.

(7) Canton-Hankow (Yueh Han) Railway.—(Partly constructed.)

(8) Canton - Samshul Railway.—Length 30 miles. Branch of Canton-Hankow Railway. (Completed.)

(9) Yunnan Tongking Railway.—From Yunnanfu to Haifong. Length 634 miles, of which 289 are in China. (Completed.)

(10) Nanchang Railway.—Kiukang to Nanchang. Length 50 miles. (Completed.)

(11) Changsha-Chuchow-Pingshiang Railway.—Length 65 miles. (Completed.) The Changsha-Chuchow section, length 33 miles, is to become part of the Canton-Hankow Railway.

Proposed Railways.

The railways which have been proposed include a line from Chungking or Suifu in Szechwan to Yunnanfu, and from Yunnanfu to Pakhoi or Kwangchow in Kwangtung with a branch from Nanning in Kwangsi, 100 miles northwest of Pakhoi, to Langson in French Indo-China. Length about 600 miles. This railway connects the hinterland of Southwest China with the Yangtze and with Szechwan, and also gives it communication with the sea, while the proposed branch to Langson connects it with the railways of French Indo-China. Before the war this line was to have been financed under a French contract. The route would be from Pakhoi to Yamchow, and thence to Nanning, from Nanning over the Yukiang River, a branch of the West River, to Poseh, the highest point reached by motor-boat traffic, and from Poseh to Kuchingfu, and thence to Yunnanfu. No great difficulties in the construction of the line present themselves, and the cost is estimated as being less than that of the French Haifong Yunnan Railway. The line would provide an outlet to the sea for the products of western Kwanghsi, Kweichow, and east Yunnan. The Yunnanfu-Suifu section would provide a possible new outlet for the products of the rich provinces of Szechwan. The topographical difficulties, however, are great, and the cost of construction will probably be high. The high cost of railway transport would probably insure the continued use of the Yangtze valley for the carriage of Szechwan products to the sea, and the chief use of the Yunnanfu-Suifu section, if constructed, would rather be to carry part of the produce of Yunnan northward to the Yangtze than to act as a feeder for the Yunnan-Pakhoi line.

The Yunnanfu-Tailu section of the Yunnanfu-Burma Railway appears quite feasible, and if constructed should bring to the Yunnanfu-Pakhoi Railway part of the produce of southern Szechwan, and perhaps Tibet,

besides opening up the richest part of the Yunnan Province. The Shasi-Singyifu Railway, which is mentioned below, should bring to the Yunnan-Pakhoi line much of the produce of Kweichow. The Nanning-Langson branch would provide a line of communication between the railways of French Indo-China and Canton by means of the proposed Nanning-Canton line.

The chief agricultural products of Yunnan are rice, wheat, maize, beans, sugar cane, walnuts, etc., and hides and furs are exported. Yunnan is regarded as the richest mineral Province in China, and its resources include coal, copper, silver, gold, zinc, iron, tin, antimony, bismuth, quicksilver, nickel, platinum, tungsten, and salt. The value of the mineral wealth is, however, unknown, owing to the unscientific methods of mining hitherto adopted. Tin is, however, produced near Mengtze in sufficient quantities to export. There are indications that sufficient coal for railway purposes is to be found near Kuchingfu, as well as iron and copper in the Yangtze River district of Yunnan. Along the Yukiang agriculture is limited to the valleys, but cattle grazing in the hills may be materially increased. Rice, wheat, maize, millet, beans, buckwheat, sugar cane, potatoes, groundnuts, cotton, bamboo, raw silk, and indigo are the principal agricultural products, and hides are an important item of export. Deposits of pottery clay and coal are reported midway between Nanning and Poseh, close to the Yukiang River. Below Nanning the railway would have to face the competition of water-borne traffic, as motor boats ascend as far as Nanning except at very low water. Coal is reported at Yamchow. The population to be served by the railway is estimated at 7,500,000.

Other Lines Under Consideration.

The proposed Chuchow-Chinchow Railway will run from Chuchow in Hunan, south of Changsha to Chinchow (Yamchow) or Pakhoi in Kwangtung, via Paokang (with a branch to Chyenyan.) Kweilian, Liuchowfu, and Nanning. Alternate routes for this project are (1) from Liuchowfu, via Kweihien to Kwangchow and (2) following the Canton-Hankow Railway to Hengchow, and thence via Yungchow to Kweilian. This railway is under an American contract. It would open up parts of Hunan and Kwangsi, and with the Nanning-Langson branch mentioned in the foregoing project, the Nanking-Changsha Railway, which is referred to below, and the Shanghai-Nanking Railway, would form a part of a main line between French Indo-China and Shanghai. The country tapped by this railway produces beans, bamboo, nutgalls, tobacco, wool, oil, raw silk, and timber. Kweichow is reported to be rich in minerals, but, as in Yunnan, their value is as yet unknown. Nitrate of potash is the chief mineral export. Coal is found near Kweiyang and on the western border.

Shasi-Singyifu Railway.—From Shasi on the Yangtze River in Hupeh, via Changte and Shenchow in Hunan to Kweiyang, the capital of Kweichow, and thence to Singyifu, and possibly on to Yunnanfu. This railway would run through the heart of Hunan and Kweichow, and provide these Provinces with means of access to the Yangtze River on the one hand and the Yunnan-Pak-

hoi Railway (1) on the other. The Singyifu-Chenyuan section would, with the Paokang branch of the Chuchow-Chinchow Railway (2) and the Chuchow-Nanking section of the Nanking-Changsha Railway, provide direct railway communication between Yunnanfu and Shanghai.

Nanning (in Kwangsi) to Canton.—This railway would, with the Yunnan-Pakhoi Railway, provide direct railway communication between Yunnanfu and Canton, and by means of the Nanning-Langson branch, between Canton and French Indo-China. On the other hand, its earnings would be seriously affected by competition with the water-borne traffic of the West River, and the cost of construction through the gorge section would be high.

Kweilian (in Kwangsi) to Wuchow.—This railway would open up part of Kwangsi Province.

Yunnan-Burma.—This proposal is for a line from Yunnanfu to Hsiakwan, and to Tengyueh and Bhamo, with a branch north from Hsiakwan to Tailu, and a branch south from Hsiakwan to Kunlong in Burma. The railway presents great engineering difficulties, and the cost would be high. It would therefore probably be years before an adequate return on the capital expended could be expected.

Canton-Macao (Kuang Ao) Railway.—The line is to run from Tongchun (Canton) to Macao, with a short branch line from Chen Chun to Kongmoon. Its total length is to be 116 miles. It has been sanctioned by the Ministry of Communications.

Limchow or Kwangchow to Canton.—The route proposed is either through Koehow, or nearer the coast with connection via Limchow with the French Indo-China Railway system. This railway would run more or less parallel to the proposed Nanning-Canton Railway and would compete with it in furnishing connection between Canton and Yunnan through a country in which there would be no water competition, and would run through the productive West River Delta country, with a population of over 15,000,000. It would run either through Koehow or by a route nearer the coast, with connection via Limchow with the French Indo-China Railway system.

The remaining proposals are Yeungchun to Yeungkong, Waku to Hangchow, and Nanking-Changsha Railways. The last will run from Nanking via Nanchang to Pingshiang, and thence by Changsha, Chuchow, Pingshiang Railway to Changsha. This line binds up parts of Kiangsu, Anhui, and Kiangsi. It is to run from Nanking via Nanchang to Pingshiang and thence by the Changsha-Chuchow-Pingshiang Railway to Changsha.

General Considerations.

Regarding China generally, it is advisable to remember that the railways already in existence have wrought remarkable changes in the habits and industry of the people. Regions which are not accessible to and have not been opened up by railways form an interesting contrast in this respect. Lack of easy communications has caused each district to grow all its own requirements, and the interchange of commodities grown in different districts has been limited. It is not to be expected, therefore, that a new railway would be immediately remunera-

live in Provinces such as Yunnan and Kweichow, which have always been handicapped by lack of communications. But experience in North China shows that the Chinese are not slow to see the advantage of growing in each district the crops most suitable to that district and interchanging them for the produce of other districts. The provision of good means of communication is also likely to lead to the growing of produce on land at present unproductive, and to a more intensive cultivation, and possibly to the introduction of irrigation schemes. The building of railways is conducive to industrial development, and possibly to mining development, in both Yunnan and Kweichow, thus providing freight for new railways. Moreover, the railways run through well-populated country, and an immediate passenger traffic is assured.

Within the next 25 years it may be expected that 50,000 or even 100,000 miles of railway will be built, linking up all the principal ports of China. The Canton-Samshui line earns approximately \$4,500 (say \$22,000) per mile per annum despite steam launch competition. Connected with the schemes of railway construction in the Canton district is the project for making a deep-water port 10 miles between Canton and connecting this port with all the railways running to Canton.

MONTEREY HAS NEW BUILDING CONCERN.

SALINAS, Cal.—Articles of incorporation of the Monterey Building corporation have been filed in County Clerk Joy's office. The new concern has a capital stock of \$50,000, divided into 500 shares of \$100, and the directors are B. F. Wright, P. J. Dougherty, Martha M. C. Hughes, C. C. Tougee and W. M. McMenamin.

ITALY'S LUMBER REQUIREMENTS.

Destruction of the invaded district of Italy, although bad enough, has not been so great as anticipated. Unless there is a tremendous industrial development as a consequence of the war, it seems likely that even with favorable freight rates Italy's requirements in the lines of rough and sawn lumber for ordinary commercial use will not exceed 2,000,000,000 to 2,500,000,000 board feet a year.

STEEL PRODUCTION IN NEWCASTLE, AUSTRALIA.

[Consul Lucien N. Sullivan, Newcastle.] The Newcastle steel works of the Broken Hill Proprietary Co. in the year ended May 31, 1919, made 155,172 tons of pig iron, 178,002 tons of steel ingots, 174,040 tons of coke, 2,630 tons of sulphate of ammonia, and 1,673,480 gallons of tar. The corresponding figures for 1918 were: Pig iron, 108,154 tons; steel ingots, 141,884 tons; coke, 109,069 tons; sulphate of ammonia, 1,718 tons; tar, 1,123,295 gallons.

During the past year there has been turned out at the works steel and plates for shipbuilding, rails and fishplates for Australian railways (and for those of New Zealand and South Africa as well), steel ingots for heavy forgings for steamships, rods for wire drawing, blooms for railway axles, merchant bar iron, and structural shapes.

Blast furnace No. 1 produced 62,677 tons of pig iron from June 1, 1918, to December 2, 1918, at which later date it was blown out. The new blast furnace, No. 2, was blown in on December 5, 1918, from which date to May 31, 1919, it produced \$13,231 tons of pig iron.

The foundry furnace began operations on July 17, 1918, since which date to May 31 of the present year 19,263 tons of foundry pig and 841 tons of spiegel and ferromanganese were produced, and it is now possible to supply all of the demands in this country for any kind of pig iron. The open-hearth capacity is being increased by the addition of two furnaces of improved type.

A quantity of plates for ship construction which had been ordered from the United States could not be supplied, and the local mill was modified so that some ship plates could be rolled. The present arrangement is temporary, but it is expected that the plate mill will be put on a permanent basis in the near future. The rod mill was put into continuous operation on September 2, 1918, and has been turning out good work.

Ninety-nine coke ovens are at present in operation, with 57 under construction and nearly finished. There will be a further addition of 39, making 195 in all when the coke-oven plant is completed.

COMMERCIAL HANDBOOK OF CHINA BEING PUBLISHED.

The Bureau of Foreign and Domestic Commerce is about to issue a Commercial Handbook of China in two volumes. Volume 1 is now in press, and Volume 2 will be ready soon. Both may be obtained, when published, from the bureau or its district and co-operative offices, or from the Superintendent of Documents, Government Printing Office, Washington, D. C.

ADDITIONS TO AUSTRALIAN IMPORT PROHIBITIONS.

The Australian commissioner, under date of November 6, has sent the following additions and modifications to the list of restricted imports in Australia as published in Commerce Reports for November 6, 1919. Rennet; muntz or yellow metal; German silver; bronze; gilding metal in sheets; antimony star; brass strip; copper strip and wire; phosphor copper, bars, rods, and ingots; manganese of chrome steel parts of grinding, crushing, or pulverizing machines; accumulators or storage batteries; electrical wire, cotton covered; collapsible tubes; iron bars, rods, angles, and tees; cresylic acid; arsenite of soda; arsenite of zinc; and arsenic sulphide. The item "potable ethyl alcohol" should be modified so as to read "absolute alcohol, amylic alcohol, collodion, ether, sulphuric anesthetic ethers, and ethyl acetate. Railway and tramway materials includes only rails, fishplates and fishbolts, tie-plates and rods, switches, points, crossings and intersections, beams and channels, girders and joists, rolled iron or steel. The item "all paints and colors, except varnishes," should read "heavy paints and colors, viz, white lead, dry; kalsomine water paints and distempers in powder form; white lead in oil; paint ground in liquid in packages over 14

pounds." The items sodium, arsenic, sulphide, and arsenate of zinc should be deleted, and the item hosiery and yarns should be hosiery yarns. Under the term zinc and spelter, only bars and ingots are included. Instead of benzol and naphtha, benzene naphtha and solvent naphtha are restricted.

THE PROPER PLACE TO CARRY IT.

Intoxicating liquor can only be carried outside a man's habitation inside his body, according to Illinois search and seizure act by Attorney General Brundage.

FAR EASTERN TRADE NOTES.

[Prepared by Far Eastern Division, Bureau of Foreign and Domestic Commerce; to which refer for fuller particulars.] The district and co-operative offices have reserve information where reference number is given.]

Road Building Materials and Equipment Wanted in Adelaide Australia.

A report just received from Consul H. P. Starrett, Adelaide, Australia, states that comprehensive plans were being made for a large amount of city road construction in his consular district and the engineer in charge desired that American manufacturers of road building materials, such as cement, asphalt, wood blocks, bricks, etc., and road building equipment such as motor trucks etc., should send their catalogues, literature, and price lists, fully describing the materials which they have to offer. (Refer to file No. FE-55.)

Opportunity in Peking for Modern Apartment House and an American Hotel.

A number of Americans in Peking, China, are of the opinion that a modern apartment house would prove a profitable enterprise in that city. A new first-class hotel is in course of erection by French interests, which is expected to be completed in about six months. It is thought that this, in addition to the present hotels in Peking, will not be sufficient to take care of the increasing number of tourists visiting the Chinese capital, and many feel that there is room for an American hotel also.

Increased Cable Facilities Necessary for the Development of Japanese-American Trade.

A representative in Japan of a large American firm recently made the statement that if the trade between Japan and the United States is to continue to develop, increased facilities for handling commercial cables and lower rates on them are immediate necessities. A further means, suggested by this representative, of developing Japanese-American trade is through the combination of American inventive genius and manufacturing experience with Japanese capital in the formation of joint-stock companies to manufacture in Japan certain classes of machinery to American designs and specifications.

Market for Hardware in New Zealand.

The industries of New Zealand which were retarded during the war have gradually been resuming operations, and as there is no steel manufactured in that country, a good demand exists for builders' hardware and machinery in general. Hardware entering New

Zealand is subject to a duty of 30 per cent when coming from all countries other than the United Kingdom and possessions, in which case it is subject to a duty of 20 per cent, with a war tax of 1 per cent, which is collected on all imports. (Refer to file No. FE-48.)

WATCHING THE DAILY "TRADE OPPORTUNITIES."

One of the many phases of the work of the Bureau of Foreign and Domestic Commerce in promoting trade may be observed in extracts from a letter from one of the outside offices of the Bureau. Not only does it show a class of practical results, being constantly obtained, but should prove an incentive to those who may be hesitant about consulting the Bureau and its wide facilities for assistance, which are free to the disposal of all properly interested persons. The incident referred to was in one of our Western States. Following are brief extracts from the letter which has just been received by the Bureau in Washington:

About three years ago a young man called at this office, stating that he desired to engage in exporting and importing, that he had no knowledge as to how to begin and requesting general information. The service rendered by the Bureau was explained and he was given as much data as possible. I explained to him the importance of subscribing to Commerce Reports and following the "Trade Opportunities" published therein daily. We went over these together and came to one in which a firm in Latin America desired to purchase certain semi-precious stones.

To his remark that if 100 American firms wrote to the same concern no one would receive any benefit, I replied that if no one wrote it would indicate that the United States was not prepared to handle the business.

He finally wrote and a correspondence ensued with the result that this young man secured a contract covering a period of years and for two years now he has been operating a factory employing 45 people, one-third of whom are highly skilled, and the value of his product is nearly \$100,000 annually.

He has been using his profits in furthering another exporting and importing business in which he is meeting with wonderful success. I would like to add that the trade in articles mentioned was previously entirely with Europe.

Saving money is easy with WAR SAVINGS STAMPS. They are always worth more than you paid for them.

POWDERED MILK PLANT.

SACRAMENTO, Cal. — Sacramento has a good chance of becoming the location of the Pacific Coast branch of the Collis Products Company, manufacturers of powdered buttermilk. A. G. Addison, general manager of the Clinton, Iowa, factory, which is said to have an output valued at \$1,000,000 yearly, has been here the past few days going into the matter with the Chamber of Commerce and milk and dairy men. If he decides to locate here, the manager said he would put in a plant costing not less than \$100,000. The powdered buttermilk product is used extensively in bakeries. It formerly was considered waste product.

CLEARING HOUSE REPORTS FROM CALIFORNIA CITIES.

Bank clearings as reported to California Development Board by the several clearing house cities for last week showing the amount of increase on corresponding date last year:

	Increase
San Francisco	\$201,722,872 \$75,029,417
Los Angeles	62,140,000 28,539,000
Oakland	10,953,671 3,068,455
Sacramento	8,355,274 3,607,734
San Diego	3,015,676
Fresno	5,822,756 2,518,810
Stockton	7,150,700 5,184,000
San Jose	7,110,315
Bakersfield	1,201,653 478,641
Pasadena	2,266,936 1,249,786
Long Beach	2,755,791 1,535,516
Berkeley	3,000,639

RECENT PUBLICATIONS OF THE BUREAU OF STANDARDS.

Among the publications received in stock during the past week for sale by the Superintendent of Documents, Government Printing Office, are the following:

"Variation in Direction of Propagation of Long Electromagnetic Waves" (Standards Bureau Scientific Paper No. 353). Covers method of getting absolute minimum with direction finders, comparison of maximum and minimum methods, variations in observed direction, explanation of variations, and conclusions. Price 5 cents.

"Determination of the Output Characteristics of Electron Tube Generators" (Standards Bureau Scientific Paper No. 355). Covers oscillating tube, derived characteristics, power output, current output, etc. Price 5 cents.

"Electrolytic Resistance Method for Determining Carbon in Steel" (Standards Bureau Technologic Paper No. 141). Covers resistance of barium-hydroxide solution, absorption apparatus, temperature coefficients, apparatus for determining electrical resistance, meth-

ods for determining carbon, etc. Price 5 cents.

LUMBER FOR ABROAD.

SEATTLE, Wash.—Further indication of the world-wide demand for Northwestern lumber products is contained in the rate offerings of Gueret, Jacks & Partners, Inc., of Seattle, which announces that vessels are wanted to transport cargoes aggregating more than 62,000,000 feet of lumber from Puget Sound, Columbia River and British Columbia mills.

Included among the ports calling for Puget Sound cargo is Piraeus, the second largest city of Greece and the port of Athens, Piraeus, which was one of the dominating ports which flourished in the ancient days, seeks to import 5,000,000 feet of local lumber. Other ports are Capetown, Tsingtau, Genoa, Bordeaux, Athens, Ostend, Antwerp including many others, which are seeking vessels for local lumber.

CLEARING HOUSE REPORTS FROM CALIFORNIA CITIES.

Bank clearings are reported to California Development Board by the several clearing house cities for last week showing the amount of increase on corresponding date of last year:

	Increase
San Francisco	\$164,580,266 \$38,444,821
Los Angeles	57,935,000 26,078,000
Oakland	9,628,359 1,667,614
Sacramento	8,743,211 3,915,961
San Diego	2,890,548 821,286
Fresno	6,343,719 2,822,739
Stockton	7,609,300 5,566,600
San Jose	5,743,477
Bakersfield	1,054,659 434,903
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